

=====
* Cover Sheet *
* *
* *
=====

*** Your Memo ***

* Prepared for: Examiner Tkacs *
* By : Ginger Roberts *
* Date : March 10, 1998 *
* *

Attached please find the results of your search for 08/871,815. The search was conducted in the standard collection of EIC databases of Dialog including the DR-LINK. If you have any additional search requirements, or need any further narrowing or refocusing of this search, please do not hesitate to contact me.

Thank you.

Ginger Roberts
308-7795

SEARCH REQUEST FORM

Requestor's Name: STEPHEN TRACS Serial Number: 08/871 815
Date: 3/10/98 Phone: 305-9774 Art Unit: 2761

Search Topic:

Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevant citations, authors, keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevant claim(s).

See Attached.

STAFF USE ONLY

Date completed: 3/10/98
Searcher: MDR
Terminal time: 113
Elapsed time: 30
CPU time: _____
Total time: 143
Number of Searches: 1
Number of Databases: 51

Search Site
☒ STIC *EIC*
☐ CM-1
☐ Pre-S

Type of Search
☐ N.A. Sequence
☐ A.A. Sequence
☐ Structure
☒ Bibliographic

Vendors
☐ IG
☐ STN
☒ Dialog
☐ APS
☐ Geninfo
☐ SDC
☐ DARC/Questel
☒ Other *DRUNK*

?show files;ds

File 108:Aerospace Database 1962-1998/Feb
(c) 1998 AIAA
File 8: Ei Compendex(R) 1970-1998/Apr W1
(c) 1998 Engineering Info. Inc.
File 77:Conference Papers Index 1973-1998/Mar
(c) 1998 Cambridge Sci Abs
File 238:Abs. in New Tech & Eng. 1981-1998/Feb
(c) 1998 Reed-Elsevier (UK) Ltd.
File 35:Dissertation Abstracts Online 1861-1998/Mar
(c) 1998 UMI
File 103:Energy SciTec 1974-1998/Jan B2
(c) 1998 Contains copyrighted material
File 202:Information Science Abs. 1966-1998/Feb
(c) 1998 Documentation Abs Inc
File 65:Inside Conferences 1993-1998/Mar W1
(c) 1998 BLDSC all rts. reserv.
File 2:INSPEC 1969-1998/Mar W2
(c) 1998 Institution of Electrical Engineers
File 14:Mechanical Engineering Abs 1973-1998/Mar
(c) 1998 Cambridge Sci Abs
File 94:JICST-EPlus 1985-1998/Jan W2
(c)1998 Japan Science and Tech Corp(JST)
File 438:Library Literature 1984-1998/Jan
(c) 1998 The HW Wilson Co
File 61:LISA(LIBRARY&INFOSCI) 1969-1998/Feb
(c) 1998 Reed Reference Publishing
File 239:MathSci(R) 1940-1998/Mar
(c) 1998 American Mathematical Society
File 233:Microcomputer Abstracts 1974-1998/Mar
(c) 1998 Information Today Incl.
File 6:NTIS 64-1998/Apr W1
Comp&distr 1998 NTIS, Intl Copyright All Rights Re
File 144:Pascal 1973-1998/Jan
(c) 1998 INIST/CNRS
File 64:Global Mobility Database (R) 1965-1998/Jan
(c) 1998 SAE Inc.
File 434:Scisearch(R) Cited Ref Sci 1974-1998/Mar W1
(c) 1998 Inst for Sci Info
File 62:SPIN(R) 1975-1998/Jan B1
(c) 1998 American Institute of Physics
File 99:Wilson Appl. Sci & Tech Abs 1983-1998/Jan
(c) 1998 The HW Wilson Co.

Set	Items	Description
S1	19398	(PRODUCT? OR MERCHANDISE OR CATALOG?) (2N) (NUMBER? ? OR CODE? ?) OR UNIFORM?() PRODUCT?() CODE? OR UPC OR STANDARD?() INDUSTRIAL?() CLASSIFICATION?() CODE? OR SIC?() CODE?
S2	83279	WEB() BROWSER? OR BROWSER? OR NETSCAPE? OR EXPLORER? OR CLIENT?() PROGRAM? OR LYNX? OR MOSAIC
S3	2527	UNIVERSAL?() RESOURCE?() LOCAT?R? OR U() R() L? ? OR URL? ? OR UNIFORM?() RESOURCE? OR WEB() ADDRESS? OR INTERNET?(2N) ADDRESS? OR RESOURCE? ?(2N) ADDRESS?(4N) INTERNET?
S4	1707616	LINK? ? OR SITE? ? OR WEB() SITE? ? OR WEBSITE? OR WEB?() PAGE? OR INTERNET?() PAGE? OR HOME() PAGE? OR HOMEPAGE?
S5	94264	(PRODUCT? OR COMPANY?) (2N) (INFORMATION? OR DATA? OR NAME? - OR DESCRIPTION? OR SPECIFICATION? OR REVIEW? ?) OR COUPON? ?
S6	32178	TRADE?() MARK? OR TRADEMARK? OR TRADE?() NAME? OR TRADENAME? OR LOGO? OR COMPAN?(2N) (MARK? OR EMBLEM?)
S7	0	S2 AND S3 AND S4 AND S5 AND S6
S8	1	S3 AND S4 AND S5 AND S6
S9	52	S4 AND S5 AND S6
S10	36	S4(S) S5(S) S6
S11	143	(SEARCH? OR ENTER? OR TYPE?) (2W) S6
S12	1	S2 AND S11
S13	37	S7 OR S8 OR S10 OR S12
S14	35	RD (unique items)

?t14/7/all

14/7/1 (Item 1 from file: 103)
DIALOG(R)File 103:Energy SciTec
(c) 1998 Contains copyrighted material. All rts. reserv.

03594822 EDB-94-010788

Title: Selected information resources for health hazard evaluation

Author(s): Lu, P.Y.; Wassom, J.S. (Oak Ridge National Lab., TN (United States))

Title: 203rd American Chemical Society national meeting

Conference Title: 203. American Chemical Society (ACS) national meeting

Conference Location: San Francisco, CA (United States) Conference Date: 5-10 Apr 1992

Publisher: Washington, DC (United States) American Chemical Society

Publication Date: 1992 p 465, Paper CHAS 14 (2442 p)

Report Number(s): CONF-920444--

Contract Number (DOE): AC05-84OR21400

Language: English

Availability: American Chemical Society, 1155 16th Street, N.W., Washington, DC 20036-4899 (United States)

Abstract: Health hazard evaluation is an essential element in the remediation of hazardous waste **sites**. The efficient conduct of health hazard evaluations is complicated by a lack of reliable and comprehensive data/information resources. Over the past two decades a number of computerized data bases focusing on various toxicity end points, including carcinogenicity, genotoxicity, developmental/reproductive toxicology, and chemical safety and handling have been developed and maintained at the Oak Ridge National Laboratory through a number of interagency collaborative efforts. Selected data files, such as the Environmental Mutagen Information Center file (75,000 citations/over 22,000 chemicals), Environmental Teratology Information Center file (48,000 citations/over 8,000 chemicals), Environmental Carcinogen Information Center file (4,000 citations/3,000 chemicals), Gene-Tox Agent Registry file (genetic toxicology evaluations on over 4,600 chemicals), Cell Transformation Information file (1,000 citations/over 500 chemicals), and Material Safety Data Sheets Information file (over 1,200 pure chemical and **trade name products**) are available for use in the health hazard evaluation process. The application of these resources to the health hazard evaluation process is reviewed.

14/7/2 (Item 2 from file: 103)
DIALOG(R)File 103:Energy SciTec
(c) 1998 Contains copyrighted material. All rts. reserv.

03252232 CLA-92-010394; EDB-92-014989

Title: A technical buyer's guide to mining chemicals

Author(s): Suttill, K.R.

Source: Engineering and Mining Journal (United States) v 192:8. Coden: ENMJJA ISSN: 0095-8948

Publication Date: Aug 1991 p 23-34

Language: In English

Abstract: Reagents used in mineral processing continue to develop in the constant search for improved recoveries and grades. Although the numbers of manufacturers involved in the business appears to have declined since E MJ's last survey in 1968, the variety and sophistication of the products available has certainly increased. The trend is for manufacturers to try and match or blend their products to **site** specific needs rather than produce a simple range to choose from. In this guide, the mining chemicals available have been divided into six categories: sulphide collectors; collectors for oxides and non-metallic minerals; frothers; modifiers; flocculants and dewatering aids; and solvent extraction and ion exchange reagents. In all pertinent cases reagents are alphabetically listed under their **Trade Names**. There follows a chemical **description** of the **product** and its major uses. 6 tabs.

14/7/3 (Item 3 from file: 103)
DIALOG(R)File 103:Energy SciTec
(c) 1998 Contains copyrighted material. All rts. reserv.

01646069 EDB-85-152848

Title: Chile - Pecket coal project under starters orders

Author(s): Phillips, K.

Source: Int. Bulk J. (United Kingdom) v 5:4.

Publication Date: Apr 1985 p 18-19

Language: English

Abstract: Mining Investment Corp, a subsidiary of Burnett and Hallamshire in the UK, is presently involved as equal partner in a joint venture with Chilean oil products **marketing company** Copec, together forming Cocar, Compania de Carbones de Chile, in a bid to soon develop the so-called Pecket property coal mine. **Sited** close to Punta Arenas in the far south of Chile, and with an initial one Mt/y scheduled **production** capacity of **specification** open cast coal, the mine is expected to satisfy much of the burn requirements of the Chuquicamata thermal power station which will generate electricity for Codelco's massive local copper mining and refinery operations. However, recent setbacks have effected delays in the coal mining project, and the Chilean government pronouncement concerning the mine's sales commitment to Chuquicamata continues to be awaited. Following is a brief outline of the more salient features of the Pecket property coal mining venture and an update of its current status.

14/7/4 (Item 4 from file: 103)
DIALOG(R)File 103:Energy SciTec
(c) 1998 Contains copyrighted material. All rts. reserv.

01299303 EDB-83-199311

Title: A minicomputer system for analyzing and reporting pilot plant fermentor data

Author(s): Bowksi, L.; Perley, C.R.; West, J.M.

Affiliation: Biotechnology Process Development, Technical Development Department, Chemical Division R and D, Hoffman-La Roche, Inc., Nutley, New Jersey 07110

Source: Biotechnol. Bioeng. (United States) v XXV:5. Coden: BIBIA

Publication Date: May 1983 p 1237-1250

Language: English

Abstract: In 1979, a minicomputer system was developed for Hoffmann-La Roche by ABEC, Inc. for the purpose of achieving on-line analysis and reporting of data from 16 70-L pilot-plant fermentators (New Brunswick Scientific Co.). The system consists of a PDP 11/60 computer with 96K core capacity, two RL01 disk drives, two RX01 floppy-disk drives, LA-36 DECwriter terminal, Tektronix CRT, and Versatec printer plotter. DEC, PDP, RSX, RL01, RX01, LA-36, and DECwriter are **trademarks** of Digital Equipment Corporation. The computer software comprises three distinct groups of programs. RSX-11M is a disk-based operating system that allows quick response to realtime events, such as process monitoring and data acquisition, while carrying out less time-dependent activities, such as program development and graphical output. The AIM (Biles, Inc.) system is used to acquire and convert the voltage signals produced by pilot-plant instrumentation into engineering units. Analysis and graphical output are executed by ABEC and Versatec supplied programs. The most beneficial task performed by the computer is the production of graphical output of a variety of measured and analyzed data. This has led to an increase in personnel productivity and design of more meaningful experiments. An ancillary function of the system is to pick up data logged by a PDP 11/03 computer from a remote fermentation production plant by means of a MODEM interfaced communication link. **Production data** are analyzed and presented in a form identical with pilot-plant data. The experience with the system is discussed in this article.

14/7/5 (Item 1 from file: 202)
DIALOG(R)File 202:Information Science Abs.
(c) 1998 Documentation Abs Inc. All rts. reserv.

00218446 9708446

ISA Document Number in Printed Publication: 9708382

Information resources on Canada. A checklist for non-Canadian searchers.

Document Type: Journal Article

Author (Affiliation): De Stricker, U.; Serio, S.; Casey, V.

Journal: Database

Publication Language(s): English

Source: Vol. 20 Issue 5 p. 18-22, 24-26, 28-30, 32, 34-35 Oct-Nov 1997

Although significant Canadian content exists in databases available through major international online services, searchers should not limit themselves to the major hosts just because some Canadian content happens to reside there. To expand the user's search expertise beyond these major international online services, an inventory is provided of Canadian databases, hosts, and **Web sites**. Categories of electronic information resources described include arts and culture, corporate and investment, economics, demographics and statistics, geographic, law and compliance, natural resources and energy, news, business and general **company information**, science and technology, and **trademark** and intellectual property.

14/7/6 (Item 2 from file: 202)
DIALOG(R)File 202:Information Science Abs.
(c) 1998 Documentation Abs Inc. All rts. reserv.

00216023 9706023

ISA Document Number in Printed Publication: 9705743

Thomson & Thomson's SAEGIS: trademarks made easy on the Web.

Document Type: Journal Article

Author (Affiliation): Ivaldi, J.

Journal: Online

Publication Language(s): English

Source: Vol. 21 Issue 4 p. 62 Jul-Aug 1997

This article reviews the Thomson & Thomson's new Internet **information products on trademarks**. The author contends that with easy-to-use search formats and the ability to order in-depth research reports, a wide range of intellectual property information is available in one place and comprises a one-stop source for **trademark** information. The **site**'s content, access methods, and retrieval options are discussed.

14/7/7 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 1998 Institution of Electrical Engineers. All rts. reserv.

5551465 INSPEC Abstract Number: C9705-7100-063

Title: Business information on the Internet

Author(s): Webber, S.

Author Affiliation: Strathclyde Univ., Glasgow, UK

Conference Title: Ninth Annual Computers in Libraries 95 Proceedings
p.43-53

Publisher: Learned Inf, Oxford, UK

Publication Date: 1995 Country of Publication: UK iv+178 pp.

ISBN: 0 904933 91 1 Material Identity Number: XX95-00498

Conference Title: Proceedings Ninth Annual Computer in Libraries '95

Conference Date: 7-9 March 1995 Conference Location: London, UK

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: There is a growing range of business information on the Internet, both from commercial and public sector organisations. There are still many **company** and **market information** sources which cannot be found free of charge, and commercial online hosts still contain much

information which is not available free on the Internet. Some new Net-based priced services have been set up, and increasing numbers of directory-type sites . The paper describes some of the services available. (0 Refs)

Copyright 1997, IEE

14/7/8 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 1998 Institution of Electrical Engineers. All rts. reserv.

5394554

Title: Making the most of the Internet

Journal: Technology Strategies no.118 p.5-6

Publisher: MCB University Press,

Publication Date: Nov.-Dec. 1995 Country of Publication: UK

ISSN: 0258-0551

SICI: 0258-0551(199511/12)118L:5:MMI;1-F

Material Identity Number: D346-96003

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Most of the commercial activity on the Internet centers on **marketing** , with **companies** experimenting with what amounts to little more than brochures and product catalogs. Mosaic, a multimedia interface to the World Wide Web, enables companies to engage in such experiments. Previously, the Internet consisted mostly of textual material, making it not only difficult to use, but uninviting as a medium. With the incorporation of graphics and text layout, the Internet demonstrates the potential for more attractive messages which can include a firm's identity and portray **products** and brand **names** . While most of the online presentations are of existing product literature and therefore require little conceptual effort, the transition from paper to an operational Internet **site** still requires considerable technical expertise, and a whole cottage industry of computer consultants has sprung up. (0 Refs)

Copyright 1996, IEE

14/7/9 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 1998 Institution of Electrical Engineers. All rts. reserv.

5054818 INSPEC Abstract Number: C9511-7230-001

Title: CIP's home page gets facelift

Author(s): Alexis, D.

Journal: Computers in Physics vol.9, no.4 p.371-2

Publication Date: July-Aug. 1995 Country of Publication: USA

CODEN: CPHYE2 ISSN: 0894-1866

Language: English Document Type: Journal Paper (JP)

Treatment: General, Review (G)

Abstract: Computers in Physics has reconstructed its **home page** to make information more readily obtainable. We now include **product reviews** , a section on frequently asked questions, **links** to our Internet Goldmines, and a **logo** contest. Our **home page** continues to include the CIP interactive New **Products database** with a WAIS search engine. You can look for specific product types without leaving the Web environment, provided your browser is forms-capable. You are still able to request information electronically on new products. Along with the interactive **products database** , the CIP **home page** contains an events calendar, a preview of the next issue, supplementary information from advertisers, instructions for submitting new **products** , **names** and addresses of our department editors, and more. We plan to increase the number of **product reviews** and provide news reports in the future. Information such as author guidelines and source code, which were previously available only by telnet and FTP, are now available through our **home page** . Readers who are not yet on the World Wide Web can still get information by telnet and FTP. (0 Refs)

Copyright 1995, IEE

14/7/10 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 1998 Institution of Electrical Engineers. All rts. reserv.

02201395 INSPEC Abstract Number: C84010823, D84000590

Title: The problems of evaluating and servicing small office computers

Author(s): Farmer, P.C.F.

Journal: Electronic Technology vol.18, no.2 p.25-8

Publication Date: Feb. 1984 Country of Publication: UK

CODEN: ETSTDN ISSN: 0141-061X

Language: English Document Type: Journal Paper (JP)

Treatment: General, Review (G)

Abstract: The microcomputer market place is beginning to mature and stabilise. It is now possible for a customer to purchase a computer system to run his business with reasonable confidence from a large range of products and suppliers. Curry's Micro-Systems Limited (CMS) was launched in 1980 as a small business systems **marketing company**. Within the Curry's group CGS Master care provided all service support across the range, both white and brown goods, but computers were a new venture. The requirement was for one year on-site service support under warranty with engineers providing installation. The problems of **product** evaluation, performance/**specification**, technical support, and micro servicing experienced by CMS and the solutions to these problems show that it is possible for a traditional brown goods service company to move into the microcomputer service industry and for it to employ traditional brown goods engineers. (0 Refs)

14/7/11 (Item 1 from file: 61)

DIALOG(R)File 61:LISA(LIBRARY&INFOSCI)

(c) 1998 Reed Reference Publishing. All rts. reserv.

02174092 9706074

Library and Information Science Abstracts (LISA)

Marketing, credit information via Dun and Bradstreet's Desktop Solution for Windows.

JOURNAL: Information Today

SOURCE: 14 (3) Mar 97, p.10.

PUBLICATION DATE: Mar 97 -- 19970300

ABSTRACT: Dun and Bradstreet (D and B) is providing desktop access to its marketing and credit information through one PC software package, Desktop Solutions for Windows. The software helps companies to generate sales leads; assess a company's credit worthiness; monitor accounts for significant business changes and if necessary place claims for collections; conduct research for planning; search for potential suppliers and business partners; identify and **link** related companies within the US and over the world; and target US companies by SIC Code, geographic location and **company** size. **Marketing information** includes **company name**, address, telephone number, DUNS Number, SIC Codes, sales volume, employee size, year started, and up to 15 executive **names per company**. Access to D and B Worldbase offers more than 42 million businesses worldwide with corporate linkage to identify related divisions and subsidiaries of multinationals. GLC.

14/7/12 (Item 2 from file: 61)

DIALOG(R)File 61:LISA(LIBRARY&INFOSCI)

(c) 1998 Reed Reference Publishing. All rts. reserv.

02162216 9607883

Library and Information Science Abstracts (LISA)

MarketEdge cuts rates on investment data.

AUTHOR(S): O'Leary, M.

JOURNAL: Information Today

SOURCE: 13 (3) Mar 96, p.12-14.

PUBLICATION DATE: Mar 96 -- 19960300

ABSTRACT: Reviews MarketEdge, an investment service from Thomson Financial Services. It gathers several kinds of investment-related data from Thomson divisions and other producers. It has a simple, easily-used GUI and provides some data in graphical form. It is readily accessible at its **Web site**, on Microsoft Network, or on CompuServe. Describes financial **market news; company information**; mutual fund information; bond information; bulletin boards; and MarketEdge Online. GLC.

14/7/13 (Item 3 from file: 61)
DIALOG(R) File 61:LISA(LIBRARY&INFOSCI)
(c) 1998 Reed Reference Publishing. All rts. reserv.

02113034 9005465
Library and Information Science Abstracts (LISA)
Problemy povysheniya effektivnosti informatsionnogo obespecheniya stadii zhiznennogo tsikla produktsii. Improving the effectiveness of information provision to the individual stages of the production cycle.
AUTHOR(S): Strakov, N.N.
JOURNAL: Nauchno- Tekhnicheskaya Informatsiya
SOURCE: Series 1 (9) 1989, 2-4. illus
PUBLICATION DATE: 1989 -- 19890000

ABSTRACT: Discusses the role of marketing information and of advertising under the new economic conditions of self-financing. Marketing information falls into 3 categories: the actual marketing; advertising **information**; and **product information**. Marketing and advertising information should provide connecting links between **companies** and **market**. Examines the effectiveness of individual types of advertising and shows that film advertising is more effective than leaflet distribution. It is advisable to set up interdisciplinary data banks on business organisations and their products. Z.H.

14/7/14 (Item 1 from file: 239)
DIALOG(R) File 239:MathSci(R)
(c) 1998 American Mathematical Society. All rts. reserv.

02935989 CR 87050332
The micro to mainframe connection.
Brumm, Penn
Publ: TAB Books, Blue Ridge Summit, PA
1986, 212 pp. ISBN: 0-8306-2637-9
Price: \$15.95
Language: English
Document Type: Book
Journal Announcement: 2805
Subfile: CR (Computing Reviews) ACM
Abstract Length: long (56 lines)

In the Introduction, the author states that this text is intended for novice business managers. To that end, the author provides the reader with ``. . . enough detail . . . to grasp what is involved, but not so much that you'll be overwhelmed.'' Given this orientation, this review considers the text in terms of its appropriateness for the nontechnical business manager, as opposed to the technical person with whom the manager supposedly will be communicating.

In order to present the material in a casual, more-or-less tutorial fashion, the author adopts a first-person, conversational style of writing. Although this style is somewhat unusual in technical writing, it is consistent with the author's intent to present technical material in an unintimidating style. Unfortunately, the presentation is marred by very crudely generated graphics, especially considering the intended audience of managers who expect relatively high-quality presentations.

In eight chapters, the author leads the reader from a single bit to high-speed digital networks. Throughout these chapters, the author provides the reader with countless questions to ask not only the reader's technical support people, but also product vendors. (At this point, one is reminded of the adage, ``A little knowledge is a dangerous thing. . . .'' A reader

should remember that knowing the right questions is not nearly as important as understanding the answers.) In passing, it also seems appropriate to note that this text assumes a decidedly IBM and IBM-compatible orientation for both micro and mainframe products, to the virtual exclusion of almost all other equipment vendors.

While the text spends a great deal of time explaining industry buzzwords, it also seems compelled to introduce a few of its own. For example, the term ``link'' is coined to describe the entire hardware and software interface between micros and mainframes. Since this generic collection of products is frequently referenced, it is understandable that the author elects to use a shorthand term to describe it. However, what does seem somewhat inappropriate is that by introducing new terms into an area already awash with industry ``standard'' buzzwords, the author is not helping to bridge the communications gap between managers and technical personnel.

In addition to the material contained in the formal chapters, the appendices, which compose almost one-third of the text, are mostly little more than vendor or product lists. While this may be helpful to neophyte computer managers, such lists are quickly outdated, especially in a rapidly changing industry such as telecommunications. However, one rather unique appendix identifies **trademarked product names** with a vendor, which could provide a manager with a missing ``link .''

Overall, the text is an acceptable introduction to data communications for the nontechnical manager. While it does not provide the reader with the ability to act upon many of the issues discussed, it does allow the manager to understand the problem.

Reviewer: W. T. Neumann Phoenix, AZ

Review Type: Signed Review

14/7/15 (Item 1 from file: 233)
DIALOG(R)File 233:Microcomputer Abstracts
(c) 1998 Information Today Incl. All rts. reserv.

00471114 97IE09-008

Whose Web site is it anyway? -- Protecting the investment you've made in a Web site is often not difficult, but it is essential.

Evans, James

Internet World , September 1, 1997 , v8 n9 p46-50, 4 Page(s)

ISSN: 1064-3923

Discusses issues of intellectual property, including copyrights, trademarks, and trade secrets, that have arisen with the growing popularity of the Internet. Points out that it is important for owners of **Web sites** to protect their own intellectual property without infringing on the rights of others. Notes, however, that laws governing the Internet are still indefinite. Suggests that some basic protective measures may include: registering **company names** and domain names as **trademarks** ; constantly enforcing **trademark** rights; tracking **sites** that **link** to your pages; registering copyrights through the U.S. Copyright Office; including copyright notices on the **Web site** ; not using others' copyrighted material; immediately removing any copyrighted material you are using, if asked by its owner; getting permission before linking to another **site** ; and using technological barriers to stop others from taking your information. Includes two screen displays and one list of references. (kgh)

14/7/16 (Item 2 from file: 233)
DIALOG(R)File 233:Microcomputer Abstracts
(c) 1998 Information Today Incl. All rts. reserv.

00442107 96MD11-001

Medical hardware & software buyers' guide

M.D. Computing , November 1, 1996 , v13 n6 p485-576, 92 Page(s)

ISSN: 0724-6811

Presents a buyers' guide to medical computing hardware and software. Features an alphabetical list of vendors and an alphabetical list of **products** by **trade names** of **products** in the following categories: CD-ROMs; online services; management systems; hardware; application

software; and indexes. Operating systems are indicated for each product, and lists of e-mail addresses and Web sites are included. Includes photos. (dpm)

14/7/17 (Item 3 from file: 233)
DIALOG(R)File 233:Microcomputer Abstracts
(c) 1998 Information Today Incl. All rts. reserv.

00429447 96WW07-011

Risk of having a site: being mocked -- Big firms look to protect their good names

Murphy, Kathleen
WebWeek , July 8, 1996 , v2 n9 p19, 22, 2 Page(s)
ISSN: 1081-3071
Company Name: APDI; Delahaye Group
Product Name: TrueSite; Cyber Image

Focuses on issues of fraud, **trademark** infringement, and brand-name protection on the Internet. Reports that TrueSite (\$2,500 per year), developed by APDI of Camp Springs, MD, vouches for the authenticity of a brand's **Web site** , where users who click on the TrueSite **logo** can search an online registry of verified **URLs** , with a validation message being displayed to the user. Indicates that companies are learning that they have to take action against knock-offs and are assigning legal resources to track down nuisance **sites** . Explains that **Web sites** can express their opinions freely, but they cannot use **company logos** and **names** . Notes that the Web can inspire frank, factual discussion that is more real-world than a focus group, and says that Cyber Image from Delahaye Group can provide companies with daily reports based on what people are saying about a company in online newsgroups and other forums. Includes one screen display. (jo)

14/7/18 (Item 4 from file: 233)
DIALOG(R)File 233:Microcomputer Abstracts
(c) 1998 Information Today Incl. All rts. reserv.

00427440 96WW06-101

Naming a Web service? You'd better hurry up

Gardner, Elizabeth
WebWeek , June 17, 1996 , v2 n8 p1, 10, 2 Page(s)
ISSN: 1081-3071

Reports that the search for good and unique **names** for companies, **products** , and services has become very difficult because of the increasing popularity of the Web. Says even naming companies are having difficulties, with some 80 to 90 percent of the names they generate legally unavailable. Explains that a naming company typically creates a list of ideas before validating these through a search of **trademark** and business news databases. Adds that Web-based postings, **sites** , products, and services take up a great number of names which are not registered. Also says these names accrue common-law rights based on their use on the Web. Includes a screen display. (dpm)

14/7/19 (Item 5 from file: 233)
DIALOG(R)File 233:Microcomputer Abstracts
(c) 1998 Information Today Incl. All rts. reserv.

00405700 95NG12-015

A frenzy of festive favors -- Something for every Webhead on your list

Easton, Jaclyn
NetGuide , December 1, 1995 , v2 n12 p82-88, 6 Page(s)
ISSN: 1078-4632

Presents a guide to electronic shopping sources that are available at Internet **sites** . Features **descriptions** , prices, **company** phone numbers, and addresses for gift items that should appeal to Net surfers and Web watchers everywhere. Includes a wide range of products such as wearing apparel, books, license plate frames, eyewear, and watches all with

Internet logos and themes, as well as hardware and software products.
Includes eight photos and two screen displays. (CH)

14/7/20 (Item 6 from file: 233)

DIALOG(R)File 233:Microcomputer Abstracts

(c) 1998 Information Today Incl. All rts. reserv.

00372010 95LK01-009

Questel-Orbit unveils WWW server

LINK-UP , January 1, 1995 , v12 n1 p10, 1 Page(s)

ISSN: 0739-988X

Company Name: Questel-Orbit

Announces that Questel-Orbit (800) has released the Questel-Orbit World Wide Web (WWW) server (\$NA) on the Internet. Says Questel-Orbit is an international online information company specializing in patent, trademark, chemical, sci-tech, business, and news information. The WWW server offers information on Questel-Orbit's database offerings and capabilities; and has hypertext links for searching. (LDS)

14/7/21 (Item 7 from file: 233)

DIALOG(R)File 233:Microcomputer Abstracts

(c) 1998 Information Today Incl. All rts. reserv.

00274166 92IT04-042

MicroPatent donates patent technology centers

Information Today , April 1, 1992 , v9 n4 p30, 1 Page(s)

ISSN: 8755-6286

Company Name: MicroPatent

Product Name: Patent Technology Centers

Announces that MicroPatent has decided to donate its Patent Technology Centers, a computerized, CD ROM-based strategic intelligence and general research tool for researching information on U.S. and European patents as well as those from the Patent Cooperation Treaty (PCT), to the US Patent and Trademark Depository Library sites in Connecticut, New York and California. Say Libraries provide complete copies of U.S., European and PCT patent as well as immediate access upon publication (or issuance, in case of US patents). Says also that the Patent Technology Center comprises of a computer station with laser printer and CD-ROM drive as well as subscriptions to MicroPatent's CD ROM-based patent information products . (PAM)

14/7/22 (Item 1 from file: 6)

DIALOG(R)File 6:NTIS

Comp&distr 1998 NTIS, Intl Copyright All Rights Re. All rts. reserv.

1528469 NTIS Accession Number: PB91-151217/XAB

National Occupational Health Survey of Mining: Feldspar Report, September 12, 1990

National Inst. for Occupational Safety and Health, Morgantown, WV. Div. of Respiratory Disease Studies.

Corp. Source Codes: 050438009

12 Sep 90 50p

Languages: English

Journal Announcement: GRAI9113

NTIS Prices: PC A03/MF A01

Country of Publication: United States

The report provides data concerning potential occupational exposures of workers involved in the mining of feldspar. Three sample sites were selected from the active feldspar mining facilities. All three were surveyed between July and August, 1987. The report identifies potential exposures and provides the associated numbers of workers, the occupations of those workers, and the locations on the mining property where the potential exposures were observed. Products and conditions to which workers were potentially exposed included the following: seven Mine Safety and Health Administration (MSHA) regulated chemicals; one chemical that has a

NIOSH recommended exposure limit but which is not regulated by MSHA; 13 chemicals with no NIOSH or MSHA limits; 98 trade name products; two physical agent conditions; four musculoskeletal overload conditions; and four welding processes. Estimated annual usage information is provided for chemical substances, both generic and trade names.

14/7/23 (Item 2 from file: 6)

DIALOG(R) File 6:NTIS

Comp&distr 1998 NTIS, Intl Copyright All Rights Re. All rts. reserv.

1522972 NTIS Accession Number: PB91-152900/XAB

National Occupational Health Survey of Mining. Marble (Crushed and Broken) Report

National Inst. for Occupational Safety and Health, Morgantown, WV. Div. of Respiratory Disease Studies.

Corp. Source Codes: 050438009

12 Sep 90 46p

Languages: English

Journal Announcement: GRAI9111

See also PB90-184276.

NTIS Prices: PC A03/MF A01

Country of Publication: United States

The report provided data concerning potential occupational exposures of workers involved in the mining of marble, crushed and broken. Three sample sites were selected from the marble mining population of active facilities. The report identified potential exposures and provided the associated numbers of workers, the occupations of those workers, and the locations on the mining property where the potential exposures were observed. The products and conditions to which workers were potentially exposed included: three Mine Safety and Health Administration (MSHA) regulated chemicals; two chemicals with a NIOSH Recommended Exposure Limit but not regulated by MSHA; three chemicals without NIOSH or MSHA limits; 87 trade name products; four physical agent conditions; 12 musculoskeletal overload conditions; and two welding processes. Estimated annual usage information was provided for chemical substances, both generic and trade name.

14/7/24 (Item 3 from file: 6)

DIALOG(R) File 6:NTIS

Comp&distr 1998 NTIS, Intl Copyright All Rights Re. All rts. reserv.

1522971 NTIS Accession Number: PB91-152892/XAB

National Occupational Health Survey of Mining. Lithium Report

National Inst. for Occupational Safety and Health, Morgantown, WV. Div. of Respiratory Disease Studies.

Corp. Source Codes: 050438009

24 Sep 90 63p

Languages: English

Journal Announcement: GRAI9111

NTIS Prices: PC A04/MF A01

Country of Publication: United States

The report provides data concerning the potential occupational exposures of individuals involved in the mining of lithium. Four sample sites were selected from the active lithium mining facilities. All four were surveyed between July 18 and July 27, 1988. Potential exposures and the associated numbers of workers, the occupations of those workers, and the locations on the mining property where the potential exposures were observed were identified. The products and conditions to which workers were potentially exposed included: three Mine Safety and Health Administration (MSHA) regulated chemicals; one chemical with a NIOSH recommended exposure limit which is not regulated by MSHA; three chemicals with no NIOSH or MSHA limits; 152 trade name products; two physical agent conditions; seven musculoskeletal overload conditions; and four welding processes.

14/7/25 (Item 4 from file: 6)

DIALOG(R) File 6:NTIS

Comp&distr 1998 NTIS, Intl Copyright All Rights Re. All rts. reserv.

1520520 NTIS Accession Number: PB91-152876/XAB

National Occupational Health Survey of Mining. Barite Report, September 24, 1990

National Inst. for Occupational Safety and Health, Morgantown, WV. Div. of Respiratory Disease Studies.

Corp. Source Codes: 050438009

24 Sep 90 47p

Languages: English

Journal Announcement: GRAI9110

NTIS Prices: PC A03/MF A01

Country of Publication: United States

The report provides data concerning the potential occupational exposure of individuals involved in the mining of barite. Five sample sites were selected from the active barite mining facilities. All of these five sites were surveyed between June 1988 and May 1989. The report identifies potential exposures and provides the associated numbers of workers, the occupations of those workers, and the locations on the mining property where the potential exposures were observed. Products and conditions to which workers were potentially exposed included six Mine Safety and Health Administration (MSHA) regulated chemicals, one chemical with a NIOSH recommended exposure limit but no MSHA limit, six chemicals that have no NIOSH or MSHA limit, 87 trade name products, four physical agent conditions, 12 musculoskeletal overload conditions, and three welding processes. Estimated annual usage information is provided for chemical substances, both generic and trade name.

14/7/26 (Item 5 from file: 6)

DIALOG(R)File 6:NTIS

Comp&distr 1998 NTIS, Intl Copyright All Rights Re. All rts. reserv.

1497525 NTIS Accession Number: PB91-107888/XAB

National Occupational Health Survey of Mining. Sandstone (Dimension) Report

National Inst. for Occupational Safety and Health, Morgantown, WV. Div. of Respiratory Disease Studies.

Corp. Source Codes: 050438009

2 Feb 90 56p

Languages: English

Journal Announcement: GRAI9102

NTIS Prices: PC A04/MF A04

Country of Publication: United States

The report prepared by the National Occupational Health Survey of Mining presents statistics concerning safety at three sites selected from the sandstone (dimension) population of active mining facilities in the United States. All of the sites were surveyed between July and December of 1987. Information on products and conditions to which workers were potentially exposed was provided in tabular form. For the sandstone commodity there were two Mine Safety and Health Administration (MSHA) regulated chemicals, one chemical that had a NIOSH recommended exposure limit but that was not MSHA regulated, three chemicals that had no NIOSH recommended exposure limit and were not MSHA regulated, 122 trade name products, four physical agent conditions, nine musculoskeletal overload conditions, and seven welding processes. The number of workers potentially exposed to each product or condition was included, and information was provided on the occupations of potentially exposed workers and locations where workers had potential exposure. For each chemical, an estimate of the annual usage was made.

14/7/27 (Item 6 from file: 6)

DIALOG(R)File 6:NTIS

Comp&distr 1998 NTIS, Intl Copyright All Rights Re. All rts. reserv.

1497523 NTIS Accession Number: PB91-107862/XAB

National Occupational Health Survey of Mining. Kyanite Report

National Inst. for Occupational Safety and Health, Morgantown, WV. Div.
of Respiratory Disease Studies.

Corp. Source Codes: 050438009

22 Mar 90 64p

Languages: English

Journal Announcement: GRAI9102

NTIS Prices: PC A04/MF A04

Country of Publication: United States

The report prepared by the National Occupational Health Survey of Mining presented statistics concerning safety in kyanite facilities (SIC-1459). Three kyanite facilities were surveyed in February, 1988; another site was inactive at the time of the survey. Information on products and conditions to which workers were potentially exposed was provided in tabular form. For the kyanite commodity there were 16 Mine Safety and Health Administration (MSHA) regulated chemicals, two chemicals that had NIOSH recommended exposure limits but that are not regulated by MSHA, ten chemicals that had neither NIOSH nor MSHA recommended exposure limits, 119 trade name products, five physical agent conditions, ten musculoskeletal overload conditions, and five welding processes. The number of workers potentially exposed to each product or condition was included, and information was provided on the occupations of potentially exposed workers and locations where workers had potential exposure. For each chemical, an estimate of the annual usage was made.

14/7/28 (Item 7 from file: 6)

DIALOG(R) File 6:NTIS

Comp&distr 1998 NTIS, Intl Copyright All Rights Re. All rts. reserv.

1497522 NTIS Accession Number: PB91-107854/XAB

National Occupational Health Survey of Mining. Potash Report

National Inst. for Occupational Safety and Health, Morgantown, WV. Div.
of Respiratory Disease Studies.

Corp. Source Codes: 050438009

20 Dec 89 308p

Languages: English

Journal Announcement: GRAI9102

NTIS Prices: PC A14/MF A14

Country of Publication: United States

The report prepared by the National Occupational Health Survey of Mining (NOHSM) presented statistics concerning safety in the potash population of active mining facilities. Eight sampling sites were selected from the active potash community. Six of these were surveyed between January 1984 and June 1985. The other two sites were not surveyed. Information on products and conditions to which workers were potentially exposed was provided in tabular form. For the potash commodity there were 17 Mine Safety and Health Administration (MSHA) regulated chemicals, three chemicals that had NIOSH recommended exposure limits but that were not regulated by MSHA, 15 chemicals that had no NIOSH or MSHA recommended exposure limits, 850 trade name products, six physical agent conditions, 12 musculoskeletal system overload conditions, and 13 welding processes. The number of workers potentially exposed to each product or condition was included, and information was provided on the occupations of potentially exposed workers and locations where workers had potential exposure. For each chemical, an estimate of the annual usage was made.

14/7/29 (Item 8 from file: 6)

DIALOG(R) File 6:NTIS

Comp&distr 1998 NTIS, Intl Copyright All Rights Re. All rts. reserv.

1497520 NTIS Accession Number: PB91-107839/XAB

National Occupational Health Survey of Mining. Mica Report

National Inst. for Occupational Safety and Health, Morgantown, WV. Div.
of Respiratory Disease Studies.

Corp. Source Codes: 050438009

2 Feb 90 38p

Languages: English

Journal Announcement: GRAI9102

NTIS Prices: PC A03/MF A03

Country of Publication: United States

The report prepared by the National Occupational Health Survey of Mining presents statistics concerning safety at three sites selected from the active mica mining facilities in the United States. All of the sites were surveyed between July and August of 1987. Information on products and conditions to which workers were potentially exposed was provided in tabular form. For the mica commodity, there were two Mine Safety and Health Administration (MSHA) regulated chemicals, one chemical that had a NIOSH recommended exposure limit but that was not regulated by MSHA, five chemicals which were not regulated by NIOSH or MSHA, 64 trade name products, four physical agent conditions, five musculoskeletal overload conditions, and two welding processes. The number of workers potentially exposed to each product or condition was included, and information was provided on the occupations of potentially exposed workers and locations where workers had potential exposure. For each chemical, an estimate of the annual usage was made.

14/7/30 (Item 9 from file: 6)

DIALOG(R)File 6:NTIS

Comp&distr 1998 NTIS, Intl Copyright All Rights Re. All rts. reserv.

1497518 NTIS Accession Number: PB91-107805/XAB

National Occupational Health Survey of Mining Sodium Compounds Report

National Inst. for Occupational Safety and Health, Morgantown, WV. Div. of Respiratory Disease Studies.

Corp. Source Codes: 050438009

10 Jan 90 375p

Languages: English

Journal Announcement: GRAI9102

NTIS Prices: PC A16/MF A16

Country of Publication: United States

The report presents statistics concerning safety in the facilities mining sodium compounds. Four sampling sites were selected from the sodium compounds commodity active mining sites. All four were surveyed in July and August of 1985. Information on products and conditions to which workers were potentially exposed was provided in tabular form. For the sodium commodity there were 12 Mine Safety and Health Administration (MSHA) regulated chemicals, two chemicals that had National Institute for Occupational Safety and Health (NIOSH) recommended exposure limits but that were not regulated by MSHA, 11 chemicals that had no NIOSH or MSHA recommended exposure limits, 1110 trade name products, eight physical agent conditions, 12 musculoskeletal system overload conditions, and 14 welding processes. The number of workers potentially exposed to each product or condition was included, and information was provided on the occupations of potentially exposed workers and location where workers had potential exposure. For each chemical, an estimate of the annual usage was made.

14/7/31 (Item 10 from file: 6)

DIALOG(R)File 6:NTIS

Comp&distr 1998 NTIS, Intl Copyright All Rights Re. All rts. reserv.

1453885 NTIS Accession Number: PB90-184276/XAB

National Occupational Health Survey of Mining Marble (Dimension) Report

National Inst. for Occupational Safety and Health, Morgantown, WV. Div. of Respiratory Disease Studies.

Corp. Source Codes: 050438009

14 Dec 89 32p

Languages: English

Journal Announcement: GRAI9012

NTIS Prices: PC A03/MF A01

Country of Publication: United States

The investigation concerned working conditions and identification of potential hazards at two marble (dimension) mining sites surveyed between August and September of 1987. The report identified potential exposures and

provided the associated numbers of workers, the occupation of those workers and the location on the mine property where the potential exposures were observed. The information was presented in the form of seven tables: four concerned chemical agents; one concerned musculoskeletal overload conditions; one concerned physical exposure conditions; and one concerned welding processes. Estimated annual usage information was provided for chemical substances, both generic and trade names. There were 41 identified trade named products. Physical agents to which these workers were exposed included noise, segmental body vibration, temperature, and whole body vibration. Musculoskeletal overload conditions included awkward lifting; strain to the shoulder, forearm, and arm; stress to fingers and hands; heavy lifting; lower limb stress; strain to the neck and/or back regions; prone or supine lying; standing; sitting; and wrist activity. Three welding operations were noted: arc cutting, shield metal arc welding, and oxyfuel gas cutting.

14/7/32 (Item 11 from file: 6)

DIALOG(R)File 6:NTIS

Comp&distr 1998 NTIS, Intl Copyright All Rights Re. All rts. reserv.

1448282 NTIS Accession Number: PB90-180167/XAB

National Occupational Health Survey of Mining: Gemstones Report

National Inst. for Occupational Safety and Health, Morgantown, WV. Div. of Respiratory Disease Studies.

Corp. Source Codes: 050438009

27 Apr 88 44p

Languages: English

Journal Announcement: GRAI9010

NTIS Prices: PC A03/MF A01

Country of Publication: United States

Data on potential exposures chemical and physical agents was gathered for the National Occupational Health Survey of Mining for the gemstones commodity. Two gemstones mines were surveyed for the report. Nine chemicals were found on mine property for which regulations were imposed by the Mine Safety and Health Administration (MSHA). Three chemicals were found on site which had no NIOSH or MSHA exposure limits. Trade name products found on mine property were listed. Potential exposures to noise, process related temperature, and whole body vibration were noted. Seven musculoskeletal conditions were identified which could result in complications for the workers: sitting; standing; prone or supine lying; heavy lifting; finger and hands; neck and/or back; and the forearm, arm, and shoulder. Three welding processes were used in the sites: shield metal arc welding, arc welding, and oxyfuel gas cutting. Annual usage estimates were provided for generic and tradename chemicals.

14/7/33 (Item 1 from file: 434)

DIALOG(R)File 434:Scisearch(R) Cited Ref Sci

(c) 1998 Inst for Sci Info. All rts. reserv.

13226414 Genuine Article#: NY959 Number of References: 0
(NO REFS KEYED)

Title: GASOLINE-CONTAMINATED GROUND-WATER AS A SOURCE OF RESIDENTIAL BENZENE EXPOSURE - A CASE-STUDY

Author(s): LINDSTROM AB; HIGHSMITH VR; BUCKLEY TJ; PATE WJ; MICHAEL LC

Corporate Source: US EPA,ATMOSPHER RES & EXPOSURE ASSESSMENT LAB/RES

TRIANGLE PK//NC/27711

Journal: JOURNAL OF EXPOSURE ANALYSIS AND ENVIRONMENTAL EPIDEMIOLOGY, 1994, V4, N2 (APR-JUN), P183-195

ISSN: 1053-4245

Language: ENGLISH Document Type: ARTICLE

Abstract: In a private residence using gasoline-contaminated ground water (approximately 300 mug/l benzene), a series of experiments were performed to assess the potential benzene exposures that may occur in the shower stall, bathroom, master bedroom, and living room as a result of a single 20-min. shower. Integrated fixed site SUMMA(TM)-polished canister and Tenax GC(R) air samples were collected in the target

microenvironments over 20, 60, and 240 min. periods. These results were compared with the long-term personal Tenax GC(R) samples (6 h) and grab samples collected with glass, gas-tight syringes at 0, 10, 18, 20, 25, 25.5, and 30 min. Maximum benzene concentrations occurred in the shower stall (758-1670 mug/m3) and bathroom (366-498 mug/m3) during and immediately after the shower. Inhalation exposures in the shower stall during the 20-min. shower were 2.1-4.9 times higher than corresponding 20-min. bathroom exposures. The total benzene dose resulting from the shower was estimated to be approximately 281 mug, with 40% via inhalation and 60% via the dermal pathway. This total is 2 to 3.5 times higher than the mean inhalation dose received during a concurrent 6 h occupation of the house. These results indicate that domestic use of gasoline-contaminated water can produce relatively high benzene exposures that vary significantly according to an individual's proximity to the water use zone. The information in this document has been funded wholly or in part by the U.S. Environmental Protection Agency. It has been subjected to Agency review and approved for publication. Mention of **trade names** or commercial **products** does not constitute endorsement or recommendation for use. The entire experiment was reviewed and approved by the Research Triangle Institute Human Subjects Review Committee.

14/7/34 (Item 1 from file: 99)
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs
(c) 1998 The HW Wilson Co. All rts. reserv.

1488658 H.W. WILSON RECORD NUMBER: BAST96033867

Customer-driven engineering

Deitz, Dan;

Mechanical Engineering v. 118 (May '96) p. 68-71

DOCUMENT TYPE: Feature Article ISSN: 0025-6501

ABSTRACT: As more **companies** start to **market products** and distribute **data** over the Internet, engineers are searching for ways to utilize available **information** to improve **product** development. All over the world, manufacturers are launching World Wide Web **home pages** to market their products. Setting up an Internet-based system utilizing a variety of possible tools could help engineers who desire more customer-driven departments. One such tool is the **product -data -management** system, which allows sales people to access engineering databases to display and configure products, when coupled with a web browser. Manufacturers are increasingly utilizing CAD graphics to market their products on the web. Companies will be able to accumulate databases of customer information collected at web servers allocated to electronic commerce, if such electronic commerce does evolve.

14/7/35 (Item 2 from file: 99)
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs
(c) 1998 The HW Wilson Co. All rts. reserv.

1131429 H.W. WILSON RECORD NUMBER: BAST93063597

Managing manufacturing history

Noaker, Paula;

Manufacturing Engineering v. 111 (Nov. '93) p. 75-6+

DOCUMENT TYPE: Feature Article ISSN: 0361-0853

ABSTRACT: The use of historical or current engineering information as a competitive weapon is considered. More U.S. manufacturers need to leverage their information asset, states Bill Copeland of Sherpa in California, a manufacturer of **product information** management software. For example, if design and manufacturing engineers can retrieve and utilize prior engineering designs, less than a third of a new product's components may require designing from step one. Implementing an information management system is not easy, according to Jerry Hitchcock of Magnetek. Hitchcock maintains that in order to reduce time to **market**, many **companies** are using flexible manufacturing ideas such as just-in-time, but processing

needs differ from one plant to another. Consequently, each **site** may need its own manufacturing information management solution.

?pause

>>> PAUSE started.

?

?show files;ds

File 344:Chinese Patents ABS Apr 1985-1998/Mar

(c) 1998 European Patent Office

File 348:EUROPEAN PATENTS 1978-1998/Feb W9

(c) 1998 EUROPEAN PATENT OFFICE

File 347:JAPIO Oct 1976-1997/Oct.(UPDATED 980217)

(c) 1998 JPO & JAPIO

File 351:DERWENT WPI 1963-1998/UD=9810;UP=9807;UM=9805

(c)1998 Derwent Info Ltd

Set	Items	Description
S1	10704	(PRODUCT? OR MERCHANDISE OR CATALOG?)(2N)(NUMBER? ? OR CODE? ?) OR UNIFORM?()PRODUCT?()CODE? OR UPC OR STANDARD?()INDUSTRIAL?()CLASSIFICATION?()CODE? OR SIC?()CODE?
S2	6297	WEB()BROWSER? OR BROWSER? OR NETSCAPE? OR EXPLORER? OR CLIENT()PROGRAM? OR LYNX? OR MOSAIC
S3	372	UNIVERSAL?()RESOURCE?()LOCAT?R? OR U()R()L? ? OR URL? ? OR UNIFORM?()RESOURCE? OR WEB()ADDRESS? OR INTERNET?(2N)ADDRESS? OR RESOURCE? ?(2N)ADDRESS?(4N)INTERNET?
S4	331178	LINK? ? OR SITE? ? OR WEB()SITE? ? OR WEBSITE? OR WEB?()PAGE? OR INTERNET?()PAGE? OR HOME()PAGE? OR HOMEPAGE?
S5	19143	(PRODUCT? OR COMPANY?)(2N)(INFORMATION? OR DATA? OR NAME? - OR DESCRIPTION? OR SPECIFICATION? OR REVIEW? ?) OR COUPON? ?
S6	36503	TRADE?()MARK? OR TRADEMARK? OR TRADE?()NAME? OR TRADENAME? OR LOGO? OR COMPAN?(2N)(MARK? OR EMBLEM?)
S7	12	S2 AND S3 AND S4 AND S5 AND S6
S8	14	S3 AND S4 AND S5 AND S6
S9	564	S4 AND S5 AND S6
S10	11	S4(S)S5(S)S6
S11	493	(SEARCH? OR ENTER? OR TYPE?)(2W)S6
S12	3	S2 AND S11
S13	27	S7 OR S8 OR S10 OR S12
S14	27	IDPAT (sorted in duplicate/non-duplicate order)

?t14/3,k/all

14/3,K/1 (Item 1 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 1998 EUROPEAN PATENT OFFICE. All rts. reserv.

00903706

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

Acrylic resin composition for color filter

Acrylharzzusammensetzung fur Farbfilter

Composition de resine acrylique pour filtre colore

PATENT ASSIGNEE:

NIPPON OIL CO. LTD., (464181), 3-12, 1-chome Nishi-Shinbashi, Minato-ku Tokyo, (JP), (applicant designated states:

AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

DAI NIPPON PRINTING CO., LTD., (281130), 1-1, Ichigaya-Kaga-Cho 1-chome, Shinjuku-ku, Tokyo-to, (JP), (applicant designated states:

AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

Hirayama, Takayuki, Nippon Oil.,Ltd., Central Techn. Res. Lab., 8, Chidoricho, Naka-ku, Yokohama-shi, Kanagawa-ken, (JP)

Tanimoto, Junichiro, Nippon Oil.,Ltd., Central Techn. Res. Lab., 8, Chidoricho, Naka-ku, Yokohama-shi, Kanagawa-ken, (JP)

Otsuki, Yutaka, Nippon Oil.,Ltd., Central Techn. Res. Lab., 8, Chidoricho, Naka-ku, Yokohama-shi, Kanagawa-ken, (JP)

Ando, Masayuki, Dai Nippon Printing Co., Ltd., 1-1, Ichigaya Kaga-cho 1-chome, Shinjuku-ku, Tokyo, (JP)

LEGAL REPRESENTATIVE:

Weisert, Annekate, Dipl.-Ing. Dr.-Ing. et al (12881), Patentanwalte Kraus

Weisert & Partner Thomas-Wimmer-Ring 15, 80539 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 825239 A2 980225 (Basic)

APPLICATION (CC, No, Date): EP 97114318 970819;

PRIORITY (CC, No, Date): JP 96221105 960822

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: C09D-133/06; C09D-004/06; C09D-005/44,
G02B-005/22
ABSTRACT WORD COUNT: 82

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9809	234
SPEC A	(English)	9809	7867
Total word count - document A			8101
Total word count - document B			0
Total word count - documents A + B			8101

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...SPECIFICATION light-shielding layer thereon produced in Example 12
(referred to as substrate 1 hereinbelow).

Positive **type** photoresist (**trade name** "OFPR-800" manufactured by
TOKYO OHKA KOGYO CO., LTD.) was applied over the substrate 1...

...of 2.2 (mu)m. Next, the coating film was exposed to light via a **mosaic**
-patterned photomask wherein each light-transmitting portion is larger
than the space between the light...water, dried, and heated at 120
(degree)C for 10 minutes. Through these process, a **mosaic** patterned
red-hued layer was formed on the substrate. Next, another **mosaic**
pattern was formed adjacent to this **mosaic** patterned red-hued layer by
light exposure and development, and a **mosaic** patterned green-hued layer
was formed by electrodepositing and heating the colored coating material
G...

14/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 1998 EUROPEAN PATENT OFFICE. All rts. reserv.

00902393

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

Universal directory service
Universeller Rufnummernauskunftsdiens
Service d'annuaire universel
PATENT ASSIGNEE:

AT&T Corp., (589370), 32 Avenue of the Americas, New York, NY 10013-2412,
(US), (applicant designated states:
AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

Stuntebeck, Peter H., 113 Woodbine Ave., Little Silver, New Jersey 07739,
(US)
Bulfer, Andrew Frederick, 85 Boulevard, Mountain Lakes, New Jersey 07046,
(US)

LEGAL REPRESENTATIVE:

KUHNEN, WACKER & PARTNER (100051), Alois-Steinecker-Strasse 22, 85354
Freising, (DE)

PATENT (CC, No, Kind, Date): EP 823809 A2 980211 (Basic)

APPLICATION (CC, No, Date): EP 97112082 970715;

PRIORITY (CC, No, Date): US 689212 960806

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;
MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: H04M-003/50;

ABSTRACT WORD COUNT: 93

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9807	1005
SPEC A	(English)	9807	3086
Total word count - document A			4091
Total word count - document B			0
Total word count - documents A + B			4091

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...ABSTRACT more data sources to provide directory information to a user. The UDS also provides supplemental **information** such as **company name** , **logo** , and specialty. The UDS can be accessed via numerous communication channels including the internet, on...

...SPECIFICATION telephone number, a pager number, a personal reach service number, an e-mail address, a **home page URL** , a personal communications service (PCS) number, and a secretary/reach telephone number.

Obtaining this information...

...e-mail address, and mailing address of certain individuals associated with AT&T, among other **information** such as **company** organizational **information** and the individual's work location and room number.

Looking for the communication addresses of...

...accomplishments, business hours, prices, organizational charts, responsibilities of the individual within the company, and maps **logos** , **trademarks** , and other graphical images.

This invention provides a convenient, inexpensive, and quick way for a ...

...also facilitate a return to the time when business cards contained only a person's **name** and **company** since all of a person's communications addresses are available through the universal directory.

Further...of the internet, many individuals may wish to have their personal e-mail address(es), **home page URL** , and the like listed on the UDS. Such information, as well as the communication addresses...

...telephone number, a pager number, a personal reach service number, an e-mail address, a **home page URL** , a personal communications service number, a secretary/reach telephone number, and other addresses. In this ...

...company, business hours, prices, organizational charts, responsibilities of the individual within the company, and maps, **logos** , **trademarks** , and other graphical images.

FIG. 2 shows

...CLAIMS type of business, a specialty, business hours, prices, an organizational chart, a map, and a **logo** .

15. The method of claim 1 wherein said a plurality of communication channels comprise an...

...type of business, a specialty, business hours, prices, an organizational chart, a map, and a **logo** .

28. The apparatus of claim 16 wherein said a plurality of communication channels comprises an...

14/3,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 1998 EUROPEAN PATENT OFFICE. All rts. reserv.

00900907

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

Object-oriented system, method and article of manufacture for migrating a client-server application

Objektorientiertes System, Verfahren und hergestellter Gegenstand zur Migration von einer Client-Server-Anwendung

Systeme oriente objet, procede, et article de fabrication pour migrer un programme client-serveur

PATENT ASSIGNEE:

SUN MICROSYSTEMS, INC., (1392732), 2550 Garcia Avenue, Mountain View, California 94043-1100, (US), (applicant designated states:

AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

Gish, Sherri L., 822 DeVoto Street, Mountain View, California 94043, (US)

LEGAL REPRESENTATIVE:

Kindermann, Manfred (6412), Patentanwalt, Sperberweg 29, 71032 Boblingen, (DE)

PATENT (CC, No, Kind, Date): EP 822491 A2 980204 (Basic)

APPLICATION (CC, No, Date): EP 97110844 970701;

PRIORITY (CC, No, Date): US 673948 960701

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: G06F-009/46; G06F-009/44;

ABSTRACT WORD COUNT: 265

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9806	1058
SPEC A	(English)	9806	22733
Total word count - document A			23791
Total word count - document B			0
Total word count - documents A + B			23791

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...ABSTRACT The client and server programs are loosely coupled and exchange information using the network. The **client program** is composed of a User Interface (UI) and an object-oriented framework (Presentation Engine (PE...

...SPECIFICATION of the patent document, or the patent disclosure, as it appears in the Patent and **Trademark** Office.

Field of the Invention

This invention generally relates to improvements in computer systems and...The client and server programs are loosely coupled and exchange information using the network, The **client program** is composed of a User Interface (UI) and an object-oriented framework (Presentation Engine (PE...accordance with a preferred embodiment;

Figure 26 illustrates the steps associated with launching an application **URL** in accordance with a preferred embodiment;

Figure 27 describes the forms of a Presentation Engine...the merchant. HTTP or other protocols could be readily substituted for HTML without undue experimentation. **Information** on these **products** is available in T. Berners-Lee, D. Connolly, "RFC 1866: Hypertext Markup Language - 2.0...

...following areas:

- o Poor performance;
- o Restricted user interface capabilities;
- o Can only produce static **Web pages** ;
- o Lack of interoperability with existing applications and data; and
- o Inability to scale.

Sun...

...client-side validation, offloading appropriate processing onto the client for improved performance. Dynamic, real-time **Web pages** can be created. Using the above-mentioned custom UI components, dynamic **Web pages** can also be created.

Sun's Java language has emerged as an industry-recognized language... e.g. simple animations, page adornments, basic games, etc.). Applets execute within a Java-compatible **browser** (e.g. **Netscape** Navigator) by copying code from the server to client. From a language standpoint, Java's...

...difficult to create, configure, deploy and administer software applications. However, the advent of Web technologies (**browsers** , the Java language and HTTP) has enabled enterprises to create and use internal Webs to...

...with a Graphical User Interface (GUI). The template includes Java classes which will allow the **client program** to communicate with the server program. Scripts and tools for installing and deploying applications, include a generalized startup applet for application launch from a **Web browser** or applet viewer.

The primary development task in accordance with a preferred embodiment is to...for creating an applet that enables users at client nodes to start applications from a **browser** which will be discussed in added detail below.

Figure 4 is a block diagram in...solely on presentation services and its own web access capabilities. The execution framework 724 specifically **links** the front end component 700 to the back end component 730 using event-driven message...events. An API is provided to the PE 960 framework so that a developer can **link** the UI 900 to the UI Adaptor 910.

(2) Extend the PE Framework Template (960...First, the developer defines the message events 1450 that must be exchanged between components. The **client program** 1410 and server program 1420 are defined as applications 1430 on the Server Node 1420...

...to understand network communication or system programming in order to design and implement applications. The **client program** can be designed to support efficient presentation services. The DBMS interface is encapsulated in the...it difficult to create, configure, deploy, and administer software applications The advent of Web technologies (**browsers**, the Java language, HTTP) has enabled enterprises to create and use internal Webs to help...

...program to work with a client as a single application

- * The tools to connect both **client program** and server programs to a framework for executing them
- * Tools for installing, deploying, and administering...

...of a server program component (implemented in any language that can call C) and a **client program** component (implemented in Java). The client component consists of a GUI and a Presentation Engine...

...installing and deploring applications, include a generalized startup applet for providing application launch from a **Web browser** or applet viewer.

- * Centralized authentication of users.

A customizable Access Layer, installed on the server...familiar and pervasive interface.

End-users can name ICE-T applications as applets in a **Web browser**.

ICE-T Application Development and Deployment

The primary development task in an ICE-T application...

...a template for creating a startup applet that enables users to start applications from a **browser**. Chapter 3, "Configuring and Deploying ICE-T Applications" describes these tasks and tools.

Event-Driven...

...messages they want to receive. This information is registered using the createMessageHandlers () method in the **client program** and the createMessageHandlers () function in the server program.

Presentation Engines should include handlers for two...

...and inside ICE-T.

The User View

ICE-T applications can use a Java-enabled **Web browser** for client access to application execution. Although developers may choose to have applications launched outside a **browser**, a **Web page** presents a familiar and easy to use interface for launching applications.

The user begins by opening a **Web page** and clicking on the **URL** for the application she wants to run. The **URL** is the address for a **Web**

page that includes an ICE-T application startup applet. The **Web page** with the startup applet is loaded into the **browser**. The applet collects access information from the user. The applet contains the **URL** of the server holding the application components and the application name. This information is processed...

...either to the server program or to its own data model. One example of a **client program** is one that communicates with a server program that searches a database, for example an employee database. Such a **client program** might have these user interface elements:

- * A text field where users enter a first or...

...enters a first or last name and presses Return or clicks a Search button. The **client program** sends the query to the server, where the server program searches the employee database for...

...HTTP. The server manages this Web connection. ICE-T applications can be launched from a **browser**, an applet viewer, or as standalone applications. Figure 26 illustrates the steps associated with launching an application **URL** in accordance with a preferred embodiment. On the server side, the ICE-T Access Layer...

...instance of the client Communication Library and is ready for execution in a Java-enabled **browser** or anywhere the Java Virtual Machine is installed.

The client node then executes the Presentation...

...handled through the ICE-T Communication Libraries in the ICE-T Communication Layer. When the **client program** terminates, the Application Manager closes the socket connection to the client and terminates any server...

...developers. Alternatively, a single developer can complete ICE-T development tasks in stages. Developing a **client program** requires making a Java Presentation Engine, connecting it to a user interface and to the...

...from the client.

ICE-T Application Building Blocks

An ICE-T application consists of a **client program** and a server program communicating through a Communication Layer. The **client program** consists of:

- * A GUI built with Java
- * A Java Presentation Engine built using a template...

...Presentation Engine may be presented as an applet launched from an applet viewer or a **Web browser**, or as a standalone application.

The server program, new or existing, is developed however the...

...Engine extends (inherits from) a Java class named PresentationEngine. All of the objects that the **client program** needs are either in the Presentation Engine class or called by it. ICE-T provides...presented in HTML form, like the Java API documentation, and is accessible from the following **URL**:

file:///<ICE-T Installation Directory>/doc/api

where <ICE-T Installation Directory> is the name...

...ICE-T installation directory is in relationship to the directory you have created.

Designing the Client Program

Here are some design decisions to make before you develop the **client program** for an ICE-T application.

- * Using a graphical user interface (GUI) toolkit, specify and design...

...and between the Presentation Engine and server.

- * Decide what application logic to put in the **client program**, if any.

Decide what, if any, data processing you want the **client program** to handle. This affects whether you create event handling for data updates in the Presentation...Implementing createModel () and initializeApplication () is optional.

You do not have to use initializeApplication () unless your **client program** requires local initialization before communication is started.

Importing Packages

The pe(underscore)template imports the...

...the PresentationEngine class.

Creating a Data Model in the Presentation Engine (Optional)

Updates to the **client program** can be sent to the user interface or to the data model in the Presentation...observer list.

Handling Events

ICE-T client programs receive messages in response to external events.

Client program developers need to specify what messages they want the Presentation Engine to receive and register...Preparing the Server Program for Communication

To prepare the server program to communication with the **client program**, the developer "plugs in" the server program to ICE-T's Communication Layer. Connecting the...

...C and the other for C++.

To enable communication between the server program and the **client**

program:

- * Create message handlers in the server program that are analogous to the message handlers you...of the files to those used by the server program in your application:

Build the **client program** with the following command:

```
% make -f Example.mk pe
```

Build the server program:

```
% make -f...server (user must install)
```

Supports HTTP connections; enables Web access and the use of a **browser** front end for executing an ICE-T application.

Note - Sun internal users can install the...

...Applets and HTML Files

Compiled Presentation Engines can run as applets in a Java-enabled **browser**. To enable users to launch ICE-T applications from a **browser** use the named ICE-T templates to:

- * Create a startup applet for each application. Use...

...template.

Using the Startup Applet describes this step.

- * Create a top-level HTML file with **links** to each application. This file serves as a "splash page" identifying the applications available and including **links** to an HTML file for each application. Use splashTemplate.html.

"Creating a Top-Level HTML..."

...Applet

A startup applet provides a way to launch an ICE-T application from a **Web page**. The startup applet:

- * Starts the HTTP access to the server
- * Authenticates the user
- * Starts the server program
- * Downloads the Presentation Engine as an applet to the **Web page** or opens the applet in a separate user interface window (developer's choice)

You can...

...Presentation Engine in the same window. To have the Presentation Engine appear in a new **browser** window, open startAp-letDevIR. java and follow

'the instruction in the file:

Creating a Top...

...top-level HTML file, or "splash page," to present the list of available applications with **links** to the application-level HTML pages for them. When a user chooses a **link**, the **link** takes them to an application-level HTML page.

ICE-T provides a default HTML file...

...use the default file or make one of your own.

To create a top-level **Web page** for listing the **links** to your application **Web pages**:

1. Copy splashTemplate.html to another file. For example:

```
% cp splashTemplate.html myAppSplashPage.html
```

2...

...want to include about the application(s) listed there,

4. Supply the name and the **URL** of the application-level HTML page for each listed application.

For example, if you used...

...Copy the file to the appropriate location on your Web server.

The result is a **Web page** with a **link** to the named application:

MyApplication1

When a user chooses this **link**, the **browser** loads an application-level HTML page with the startup applet for the application.

Creating Individual...

...these using HTTP to the Access Layer on the server.

To create an application-level **Web page**;

1. Copy alDIDTemlDlate.html to another file. For example:

```
% cp appTemplate.html myAppPage.html
```

2...

...Authenticates the user name and password

* Downloads the Presentation Engine as an applet in a **Web page**

As part of the ...under /bin/ ice-httpd-setup.

Before you run this server setup script, you should establish **links** to the cgi-bin directory and the httpd-docs directory.

Create a symbolic **link** to the cgi-bin and httpd-docs directories using the UNIX ln command.

* Become superuser

* Make the **links** : % in -s <absolute path to cgi-bin> /cgi-bin

```
% in -s <absolute path to httpd-docs> /WWW-docs
```

If you cannot create these **links**, provide the absolute path names to cgi-bin and httpd-docs as arguments to the ice-httpd-setup script. If you have not created the **links**, you will need to change the Access Layer's default access properties file to specify...

...bin and httpd-docs locations. (See "Customizing the Access Layer"). If you have created the **links**, run ice-httpd-setup without arguments.

From the ICE-T installation directory, run ice-httpd...

...setup performs these tasks:

* Creates an ICE directory under the -cgi-bin directory

* Creates a **link** to cgi-bin/ICE from the httpd-docs directory

* Creates an application startup directory under...on your Web server. If you have set up the Web server, creating the symbolic **links** as described in "Setting up the Web Server" then you can use ExamIdle .mk with...

...argument:

% make -f Example.mk app-instal l

If you did not create a symbolic link to the cgi-bin directory as described in "Setting up the Web Server", specify the...

...applet, the Access Layer uses the Application Manager to look up values for server and **client program** locations and names in appConfigFile. Using the configuration file, the Application Manager generates an HTML wrapper for presenting Presentation Engines as applets in a **Web browser** execution environment. (See "Using Startup Applets and HTML Files" for more information about how to...

...for ICE-T applications.)

To complete the last step in deploying an application to a **Web Browser** you use one of two ways to supply application-specific values in the HTML wrapper...

...the name of the server program

<PresentationEngine> -- specifies where the Presentation Engine appears on the **Web page** .

The Application Manager replaces the <Presentation Engine> tag with a Java <applet> tag that specifies the named Presentation Engine (peClass).

3. Supply messages to return to the **browser** if user authentication or application stamp fails.

The template contains tags for authentication failure and application startup failure messages.

The appConfigFile contains optional tags for you to specify a **Web page** title, headings, and text, just as you would for any **Web page** .

The Application Manager also uses a properties file to set what applications are returned to...C++

C Server Program Template

Default mainfbr C

ICE-T Exceptions Catalog D

ICE-T **client program** exceptions are caught by the modules in the Presentation Engine. The IcetExcelDtionHandler generates exception messages. It issues warnings and errors by printing messages to the Java console in a **Netscape** Navigator environment, or to the terminal where Java was started (in the case of the...

...errors by printing messages to the application logfile if the application is launched from a **browser** or to stdout if the application is run standAlone.

Here is a sample message:

ICET...

...CLAIMS server for a distributed system as recited in claim 1, including a template for a **client program** that includes a client communication library.

3. The server for a distributed system as recited in claim 1, including a template for a **client program** that includes an user-extensible model.

4. The server for a distributed system as recited in claim 1, including a template for a **client program** that includes an user-extensible user interface adaptor.

5. The server for a distributed system...

...recited in claim 10, including facilitating migration of computer applications utilizing a template for a **client program** that includes a client communication library.

12. The method for distributing computing between a server...

...system coupled by a network as recited in claim 11, wherein the template for a **client program** includes an user-extensible model.

- '13. The method for distributing computing between a server computer...
...system coupled by a network as recited in claim 10, wherein the template
for a **client program** includes an user-extensible user interface
adaptor.
14. The method for distributing computing between a...enabling a
distributed computer system as recited in claim 19, including a
template for a **client program** that includes a client
communication library.

14/3,K/4 (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 1998 EUROPEAN PATENT OFFICE. All rts. reserv.

00900906

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348
**Object-oriented system, method and article of manufacture for a
client-server communication framework**
**Objektorientiertes System, Verfahren und hergestellter Gegenstand fur ein
Client-Server-Kommunikationsrahmenwerk**
**Systeme oriente objet, procede et article de fabrication pour une
bibliotheque d'objets informatiques client-serveur de communication**
PATENT ASSIGNEE:

SUN MICROSYSTEMS, INC., (1392732), 2550 Garcia Avenue, Mountain View,
California 94043-1100, (US), (applicant designated states:
AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

Gish, Sherri L., 822 DeVoto Street, Mountain View, California 94043, (US)
LEGAL REPRESENTATIVE:

Kindermann, Manfred (6412), Patentanwalt, Sperberweg 29, 71032 Boblingen,
(DE)

PATENT (CC, No, Kind, Date): EP 822490 A2 980204 (Basic)

APPLICATION (CC, No, Date): EP 97110836 970701;

PRIORITY (CC, No, Date): US 673006 960701

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;
MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: G06F-009/46;

ABSTRACT WORD COUNT: 238

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	98'06	1517
SPEC A	(English)	9806	22732
Total word count - document A			24249
Total word count - document B			0
Total word count - documents A + B			24249

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...ABSTRACT The client and server programs are loosely coupled and exchange
information using the network. The **client program** is composed of a
User Interface (UI) and an object-oriented framework (Presentation Engine
(PE...)

...SPECIFICATION of the patent document, or the patent disclosure, as it
appears in the Patent and **Trademark** Office.

Field of the Invention

This invention generally relates to improvements in computer systems
and...The client and server programs are loosely coupled and exchange
information using the network. The **client program** is composed of a
User Interface (UI) and an object-oriented framework (Presentation Engine
(PE...accordance with a preferred embodiment;

Figure 26 illustrates the steps associated with launching an
application **URL** in accordance with a preferred embodiment;

Figure 27 describes the forms of a Presentation Engine...the merchant.

HTTP or other protocols could be readily substituted for HTML without undue experimentation. **Information** on these **products** is available in T. Berners-Lee, D. Connolly, "RFC 1866: Hypertext Markup Language-2.0...

...following areas:

- o Poor performance;
 - o Restricted user interface capabilities;
 - o Can only produce static **Web pages** ;
 - o Lack of interoperability with existing applications and data; and
 - o Inability to scale.
- Sun...

...client-side validation, offloading appropriate processing onto the client for improved performance. Dynamic, real-time **Web pages** can be created. Using the above-mentioned custom UI components, dynamic **Web pages** can also be created.

Sun's Java language has emerged as an industry-recognized language... e.g. simple animations, page adornments, basic games, etc.). Applets execute within a Java-compatible **browser** (e.g. **Netscape Navigator**) by copying code from the server to client. From a language standpoint, Java's...

...difficult to create, configure, deploy and administer software applications. However, the advent of Web technologies (**browsers** , the Java language and HTTP) has enabled enterprises to create and use internal Webs to...

...with a Graphical User Interface (GUI). The template includes Java classes which will allow the **client program** to communicate with the server program. Scripts and tools for installing and deploying applications, include a generalized startup applet for application launch from a **Web browser** or applet viewer.

The primary development task in accordance with a preferred embodiment is to...for creating an applet that enables users at client nodes to start applications from a **browser** which will be discussed in added detail below.

Figure 4 is a block diagram in...solely on presentation services and its own web access capabilities. The execution framework 724 specifically **links** the front end component 700 to the back end component 730 using event-driven message...events. An API is provided to the PE 960 framework so that a developer can **link** the UI 900 to the UI Adaptor 910.

(2) Extend the PE Framework Template (960...First, the developer defines the message events 1450 that must be exchanged between components. The **client program** 1410 and server program 1420 are defined as applications 1430 on the Server Node 1420...

...to understand network communication or system programming in order to design and implement applications. The **client program** can be designed to support efficient presentation services. The DBMS interface is encapsulated in the...it difficult to create, configure, deploy, and administer software applications. The advent of Web technologies (**browsers** , the Java language, HTTP) has enabled enterprises to create and use internal Webs to help...

...program to work with a client as a single application

- * The tools to connect both **client program** and server programs to a framework for executing them
- * Tools for installing, deploying, and administering...

...of a server program component (implemented in any language that can call C) and a **client program** component (implemented in Java). The client component consists of a GUI and a Presentation Engine...

...installing and deploying applications, include a generalized startup applet for providing application launch from a **Web browser** or applet viewer.

- * Centralized authentication of users.

A customizable Access Layer, installed on the server...familiar and pervasive interface.

End-users can name ICE-T applications as applets in a **Web browser**.

ICE-T Application Development and Deployment

The primary development task in an ICE-T application...

...a template for creating a startup applet that enables users to start applications from a **browser**. Chapter 3, "Configuring and Deploying ICE-T Applications" describes these tasks and tools.

Event-Driven...

...messages they want to receive. This information is registered using the `createMessageHandlers ()` method in the **client program** and the `createMessageHandlers ()` function in the server program.

Presentation Engines should include handlers for two...

...and inside ICE-T.

The User View

ICE-T applications can use a Java-enabled **Web browser** for client access to application execution. Although developers may choose to have applications launched outside a **browser**, a **Web page** presents a familiar and easy to use interface for launching applications.

The user begins by opening a **Web page** and clicking on the **URL** for the application she wants to run. The **URL** is the address for a **Web page** that includes an ICE-T application startup applet. The **Web page** with the startup applet is loaded into the **browser**. The applet collects access information from the user. The applet contains the **URL** of the server holding the application components and the application name. This information is processed...

...either to the server program or to its own data model. One example of a **client program** is one that communicates with a server program that searches a database, for example an employee database. Such a **client program** might have these user interface elements:

- * A text field where users enter a first or...

...enters a first or last name and presses Return or clicks a Search button. The **client program** sends the query to the server, where the server program searches the employee database for...

...HTTP. The server manages this Web connection. ICE-T applications can be launched from a **browser**, an applet viewer, or as standalone applications. Figure 26 illustrates the steps associated with launching an application **URL** in accordance with a preferred embodiment. On the server side, the ICE-T Access Layer...

...instance of the client Communication Library and is ready for execution in a Java-enabled **browser** or anywhere the Java Virtual Machine is installed.

The client node then executes the Presentation...

...handled through the ICE-T Communication Libraries in the ICE-T Communication Layer. When the **client program** terminates, the Application Manager closes the socket connection to the client and terminates any server...

...developers. Alternatively, a single developer can complete ICE-T development tasks in stages. Developing a **client program** requires making a Java Presentation Engine, connecting it to a user interface and to the...

...from the client,

ICE-T Application Building Blocks

An ICE-T application consists of a **client program** and a server program communicating through a Communication Layer, The **client**

program consists of:

- * A GUI built with Java
- * A Java Presentation Engine built using a template...

...Presentation Engine may be presented as an applet launched from an applet viewer or a **Web browser** , or as a standalone application.

The server program, new or existing, is developed however the...

...Engine extends (inherits from) a Java class named PresentationEngine. All of the objects that the **client program** needs are either in the Presentation Engine class or called by it. ICE-T provides...presented in HTML form, like the Java API documentation, and is accessible from the following **URL** :

file:/ / <ICE-T Installation Directory>/doc/api

where <ICE-T Installation Directory> is the name...

...ICE-T installation directory is in relationship to the directory you have created.

Designing the **Client Program**

Here are some design decisions to make before you develop the **client program** for an ICE-T application.

- * Using a graphical user interface (GUI) toolkit, specify and design...and between the Presentation Engine and server.
- * Decide what application logic to put in the **client program** , if any.

Decide what, if any, data processing you want the **client program** to handle. This affects whether you create event handling for data updates in the Presentation...Implementing createModel () and initializeApplication () is optional.

You do not have to use initializeApplication () unless your **client program** requires local initialization before communication is started.

Importing Packages

The pe(underscore)template imports the...

...the PresentationEngine class.

Creating a Data Model in the Presentation Engine (Optional)

Updates to the **client program** can be sent to the user interface or to the data model in the Presentation...observer list.

Handling Events

ICE-T client programs receive messages in response to external events. **Client program** developers need to specify what messages they want the Presentation Engine to receive and register...Preparing the Server Program for Communication

To prepare the server program to communication with the **client program** , the developer "plugs in" the server program to ICE-T's Communication Layer. Connecting the...

...C and the other for C++.

To enable communication between the server program and the **client program** :

- * Create message handlers in the server program that are analogous to the message handlers you...of the files to those used by the server program in your application:

Build the **client program** with the following command:

```
% make -f Example.mk pe
```

Build the server program:

```
% make -f...server (user must install)
```

Supports HTTP connections; enables Web access and the use of a **browser** front end for executing an ICE-T application.

Note - Sun internal users can install the...

...Applets and HTML Files

Compiled Presentation Engines can run as applets in a Java-enabled **browser** . To enable users to launch ICE-T applications from a **browser** use the named ICE-T templates to:

- * Create a startup applet for each application. Use..:

...template.

Using the Startup Applet describes this step.

- * Create a top-level HTML file with **links** to each application. This file serves as a "splash page" identifying the applications available and including **links** to an HTML file for each application. Use splashTemplate.html.

"Creating a Top-Level HTML...

...Applet

A startup applet provides a way to launch an ICE-T application from a **Web page** . The startup applet:

- * Starts the HTTP access to the server
- * Authenticates the user
- * Starts the server program
- * Downloads the Presentation Engine as an applet to the **Web page** or opens the applet in a separate user interface window (developer's choice)

You can...

...Presentation Engine in the same window. To have the Presentation Engine appear in a new **browser** window, open startAp-letDevIR. java and follow the instruction in the file:

Creating a Top...

...top-level HTML file, or "splash page," to present the list of available applications with **links** to the application-level HTML pages for them. When a user chooses a **link** , the **link** takes them to an application-level HTML page.

ICE-T provides a default HTML file...

...use the default file or make one of your own.

To create a top-level **Web page** for listing the **links** to your application **Web pages** :

1. Copy splashTemplate.html to another file. For example:

```
% cp splashTemplate.html myAppSplashPage.html
```

2...

...want to include about the application(s) listed there.

4. Supply the name and the **URL** of the application-level HTML page for each listed application.

For example, if you used...

...Copy the file to the appropriate location on your Web server.

The result is a **Web page** with a **link** to the named application: MyApplication1

When a user chooses this **link** , the **browser** loads an application-level HTML page with the startup applet for the application.

Creating Individual...

...these using HTTP to the Access Layer on the server.

To create an application-level **Web page** :

1. Copy alDIDTemlDlate.html to another file. For example:

```
% cp appTemplate.html myAppPage.html
```

2...

...Authenticates the user name and password

- * Downloads the Presentation Engine as an applet in a **Web page** As part of ...under /bin/ice-httpd-setup.

Before you run this server setup script, you should establish **links** to the cgi-bin directory and the httpd-docs directory.

Create a symbolic **link** to the cgi-bin. and httpd-docs directories using the UNIX ln command.

- * Become superuser

- * Make the **links** : % in -s <absolute path to cgi-bin> /cgi-bin

% in - s <absolute path to httpd-docs> /WWW-docs

If you cannot create these **links** , provide the absolute path names to cgi -bin and httpd-docs as arguments to the ice-httpd-setup script. If you have not created the **links** , you will need to change the Access Layer's default access properties file to specify...

...bin and httpd-docs locations. (See "Customizing the Access Layer"). If you have created the **links** , run ice-httpd-setup without arguments.

From the ICE-T installation directory, run ice-httpd...

...setup performs these tasks:

- * Creates an ICE directory under the -cgi-bin directory

- * Creates a **link** to cgi -bin/ICE from the httpd-docs directory

- * Creates an application startup directory under...on your Web server. If you have set up the Web server, creating the symbolic **links** as described in "Setting up the Web Server" then you can use ExamIdle .mk with...

...argument: % make -f Example.mk app-install

If you did not create a symbolic **link** to the cgi-bin directory as described in "Setting up the Web Server", specify the...

...applet, the Access Layer uses the Application Manager to look up values for server and **client program** locations and names in appConfigFile. Using the configuration file, the Application Manager generates an HTML wrapper for presenting Presentation Engines as applets in a **Web browser** execution environment. (See "Using Startup Applets and HTML Files" for more information about how to...

...for ICE-T applications.)

To complete the last step in deploying an application to a **Web Browser** you use one of two ways to supply application-specific values in the HTML wrapper...

...the name of the server program

<PresentationEngine> -- specifies where the Presentation Engine appears on the **Web page** .

The Application Manager replaces the <Presentation Engine> tag with a Java <applet> tag that specifies the named Presentation Engine (peClass).

3. Supply messages to return to the **browser** if user authentication or application stamp fails.

The template contains tags for authentication failure and application startup failure messages.

The appConfigFile contains optional tags for you to specify a **Web page** title, headings, and text, just as you would for any **Web page** .

The Application Manager also uses a properties file to set what applications are returned to...C++

C Server Program Template

Default mainfbr C

ICE-T Exceptions Catalog D

ICE-T **client program** exceptions are caught by the modules in the Presentation Engine. The IceTExceptionHandler generates exception messages. It issues warnings and errors by printing messages to the Java console in a **Netscape** Navigator environment, or to the terminal where Java was started (in the case of the...

...errors by printing messages to the application logfile if the application is launched from a **browser** or to stdout if the application

'is run standAlone.
Here is a sample message:

ICET...

14/3,K/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 1998 EUROPEAN PATENT OFFICE. All rts. reserv.

00900905

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348
Object-oriented system, method and article of manufacture for a
client-server system with a client program cache
Objektorientiertes System, Verfahren und hergestellter Gegenstand fur ein
Client-Server-System mit einem Client-Anwendungscache
Systeme oriente objet, procede et article de fabrication pour un systeme
client-serveur, avec un cache pour les applications client

PATENT ASSIGNEE:

SUN MICROSYSTEMS, INC., (1392732), 2550 Garcia Avenue, Mountain View,
California 94043-1100, (US), (applicant designated states:
AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

Gish, Sherri L., 822 DeVoto Street, Mountain View, California 94043, (US)

LEGAL REPRESENTATIVE:

Kindermann, Manfred (6412), Patentanwalt, Sperberweg 29, 71032 Boblingen,
(DE)

PATENT (CC, No, Kind, Date): EP 822489 A2 980204 (Basic)

APPLICATION (CC, No, Date): EP 97110835 970701;

PRIORITY (CC, No, Date): US 675232 960701

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;
MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: G06F-009/46; G06F-009/44;

ABSTRACT WORD COUNT: 262

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9806	1068
SPEC A	(English)	9806	22742
Total word count - document A			23810
Total word count - document B			0
Total word count - documents A + B			23810

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348
Object-oriented system, method and article of manufacture for a
client-server system with a client program cache

...ABSTRACT The client and server programs are loosely coupled and exchange
information using the network. The **client program** is composed of a
User Interface (UI) and an object-oriented framework (Presentation Engine
(PE...

...SPECIFICATION of the patent document, or the patent disclosure, as it
appears in the Patent and **Trademark** Office.

Field of the Invention

This invention generally relates to improvements in computer systems
and...The client and server programs are loosely coupled and exchange
information using the network. The **client program** is composed of a
User Interface (UI) and an object-oriented framework (Presentation Engine
(PE...accordance with a preferred embodiment;

Figure 26 illustrates the steps associated with launching an
application **URL** in accordance with a preferred embodiment;

Figure 27 describes the forms of a Presentation Engine...the merchant.
HTTP or other protocols could be readily substituted for HTML without
undue experimentation. **Information** on these **products** is available in
T. Berners-Lee, D. Connolly, "RFC 1866: Hypertext Markup Language - 2.0...

...following areas:

- o Poor performance;
 - o Restricted user interface capabilities;
 - o Can only produce static **Web pages** ;
 - o Lack of interoperability with existing applications and data; and
 - o Inability to scale.
- Sun...

...client-side validation, offloading appropriate processing onto the client for improved performance. Dynamic, real-time **Web pages** can be created. Using the above-mentioned custom UI components, dynamic **Web pages** can also be created.

Sun's Java language has emerged as an industry-recognized language... e.g. simple animations, page adornments, basic games, etc.). Applets execute within a Java-compatible **browser** (e.g. **Netscape Navigator**) by copying code from the server to client. From a language standpoint, Java's...

...difficult to create, configure, deploy and administer software applications. However, the advent of Web technologies (**browsers** , the Java language and HTTP) has enabled enterprises to create and use internal Webs to...

...with a Graphical User Interface (GUI). The template includes Java classes which will allow the **client program** to communicate with the server program. Scripts and tools for installing and deploying applications, include a generalized startup applet for application launch from a **Web browser** or applet viewer.

The primary development task in accordance with a preferred embodiment is to...for creating an applet that enables users at client nodes to start applications from a **browser** which will be discussed in added detail below.

Figure 4 is a block diagram in...solely on presentation services and its own web access capabilities. The execution framework 724 specifically **links** the front end component 700 to the back end component 730 using event-driven message...events. An API is provided to the PE 960 framework so that a developer can **link** the UI 900 to the UI Adaptor 910.

(2) Extend the PE Framework Template (960...First, the developer defines the message events 1450 that must be exchanged between components. The **client program** 1410 and server program 1420 are defined as applications 1430 on the Server Node 1420...

...to understand network communication or system programming in order to design and implement applications. The **client program** can be designed to support efficient presentation services. The DBMS interface is encapsulated in the...it difficult to create, configure, deploy, and administer software applications. The advent of Web technologies (**browsers** , the Java language, HTTP) has enabled enterprises to create and use internal Webs to help...

...program to work with a client as a single application

- * The tools to connect both **client program** and server programs to a framework for executing them
- * Tools for installing, deploying, and administering...

...of a server program component (implemented in any language that can call C) and a **client program** component (implemented in Java). The client component consists of a GUI and a Presentation Engine...

...installing and deploying applications, include a generalized startup applet for providing application launch from a **Web browser** or applet viewer.

- * Centralized authentication of users.

A customizable Access Layer, installed on the server...familiar and pervasive interface.

End-users can name ICE-T applications as applets in a **Web browser** .

ICE-T Application Development and Deployment

The primary development task in an ICE-T application...

...a template for creating a startup applet that enables users to start applications from a **browser**. Chapter 3, "Configuring and Deploying ICE-T Applications" describes these tasks and tools.

Event-Driven...

...messages they want to receive. This information is registered using the `createMessageHandlers ()` method in the **client program** and the `createMessageHandlers ()` function in the server program.

Presentation Engines should include handlers for two...

...and inside ICE-T.

The User View

ICE-T applications can use a Java-enabled **Web browser** for client access to application execution. Although developers may choose to have applications launched outside a **browser**, a **Web page** presents a familiar and easy to use interface for launching applications.

The user begins by opening a **Web page** and clicking on the **URL** for the application she wants to run. The **URL** is the address for a **Web page** that includes an ICE-T application startup applet. The **Web page** with the startup applet is loaded into the **browser**. The applet collects access information from the user. The applet contains the **URL** of the server holding the application components and the application name. This information is processed...

...either to the server program or to its own data model. One example of a **client program** is one that communicates with a server program that searches a database, for example an employee database. Such a **client program** might have these user interface elements:

- * A text field where users enter a first or...

...enters a first or last name and presses Return or clicks a Search button. The **client program** sends the query to the server, where the server program searches the employee database for...

...HTTP. The server manages this Web connection. ICE-T applications can be launched from a **browser**, an applet viewer, or as standalone applications. Figure 26 illustrates the steps associated with launching an application **URL** in accordance with a preferred embodiment. On the server side, the ICE-T Access Layer...

...instance of the client Communication Library and is ready for execution in a Java-enabled **browser** or anywhere the Java Virtual Machine is installed.

The client node then executes the Presentation...

...handled through the ICE-T Communication Libraries in the ICE-T Communication Layer. When the **client program** terminates, the Application Manager closes the socket connection to the client and terminates any server...

...developers. Alternatively, a single developer can complete ICE-T development tasks in stages. Developing a **client program** requires making a Java Presentation Engine, connecting it to a user interface and to the...

...from the client.

ICE-T Application Building Blocks

An ICE-T application consists of a **client program** and a server program communicating through a Communication Layer. The **client program** consists of:

- * A GUI built with Java
- * A Java Presentation Engine built using a template...

...Presentation Engine may be presented as an applet launched from an applet viewer or a **Web browser** , or as a standalone application.

The server program, new or existing, is developed however the...

...Engine extends (inherits from) a Java class named PresentationEngine. All of the objects that the **client program** needs are either in the Presentation Engine class or called by it. ICE-T provides...presented in HTML form, like the Java API documentation, and is accessible from the following **URL** :

file:///<ICE-T Installation Directory>/doc/api

where <ICE-T Installation Directory> is the name...

...ICE-T installation directory is in relationship to the directory you have created.

Designing the **Client Program**

Here are some design decisions to make before you develop the **client program** for an ICE-T application.

- * Using a graphical user interface (GUI) toolkit, specify and design...and between the Presentation Engine and server.

- * Decide what application logic to put in the **client program** , if any.

Decide what, if any, data processing you want the **client program** to handle. This affects whether you create event handling for data updates in the Presentation...Implementing createModel () and initializeApplication () is optional.

You do not have to use initializeApplication () unless your **client program** requires local initialization before communication is started.

Importing Packages

The pe(underscore)template imports the...

...the PresentationEngine class.

Creating a Data Model in the Presentation Engine (Optional)

Updates to the **client program** can be sent to the user interface or to the data model in the Presentation...observer list.

Handling Events

ICE-T client programs receive messages in response to external events. **Client program** developers need to specify what messages they want the Presentation Engine to receive and register...Preparing the Server Program for Communication

To prepare the server program to communication with the **client program** , the developer "plugs in" the server program to ICE-T's Communication Layer. Connecting the...

...C and the other for C++.

To enable communication between the server program and the **client program** :

- * Create message handlers in the server program that are analogous to the message handlers you...of the files to those used by the server program in your application:

Build the **client program** with the following command:

```
% make -f Example.mk pe
```

Build the server program:

```
% make -f...server (user must install)
```

Supports HTTP connections; enables Web access and the use of a **browser** front end for executing an ICE-T application.

Note - Sun internal users can install the...

...Applets and HTML Files

Compiled Presentation Engines can run as applets in a Java-enabled **browser** . To enable users to launch ICE-T applications from a **browser** use the named ICE-T templates to:

```

" * Create a startup applet for each application. Use...

...template.
    Using the Startup Applet describes this step.
    * Create a top-level HTML file with links to each application. This
    file serves as a "splash page" identifying the applications available and
    including links to an HTML file for each application. Use
    splashTemplate.html.
    "Creating a Top-Level HTML...

...Applet
    A startup applet provides a way to launch an ICE-T application from a
Web page . The startup applet:
    * Starts the HTTP access to the server
    * Authenticates the user
    * Starts the server program
    * Downloads the Presentation Engine as an applet to the Web page or
    opens the applet in a separate user interface window (developer's choice)

    You can...

...Presentation Engine in the same window. To have the Presentation Engine
appear in a new browser window, open startAppletDevIR. Java and follow
the instruction in the file:

Creating a Top...

...top-level HTML file, or "splash page," to present the list of available
applications with links to the application-level HTML pages for them.
When a user chooses a link , the link takes them to an
application-level HTML page.
    ICE-T provides a default HTML file...

...use the default file or make one of your own.
    To create a top-level Web page for listing the links to your
    application Web pages :
    1. Copy splashTemplate.html to another file. For example:

    % cp splashTemplate.html myAppSplashPage.html
    2...

...want to include about the application(s) listed there.
    4. Supply the name and the URL of the application-level HTML page
    for each listed application.
    For example, if you used...

...Copy the file to the appropriate location on your Web server.
    The result is a Web page with a link to the named application:

    MyApplication1
    When a user chooses this link , the browser loads an
    application-level HTML page with the startup applet for the application.

Creating Individual...

...these using HTTP to the Access Layer on the server.
    To create an application-level Web page :
    1. Copy alDIDTemplDlate.html to another file. For example:

    % cp appTemplate.html myAppPage.html
    2...

...Authenticates the user name and password
    * Downloads the Presentation Engine as an applet in a Web page
    As ...under /bin/ice-httpd-setup.
    Before you run this server setup script, you should establish links
    to the cgi-bin in directory and the httpd-docs directory.
    Create a symbolic link to the cgi-bin and httpd-docs directories
    using the UNIX ln command.

```

```

" * Become superuser
* Make the links : % in -s <absolute path to cgi-bin> /cgi-bin

% in - s <absolute path to httpd-docs> /WWW-docs
If you cannot create these links , provide the absolute path names to
cgi -bin and httpd-docs as arguments to the ice-httpd-setup script. If
you have not created the links , you will need to change the Access
Layer's default access properties file to specify...

...bin and httpd-docs locations. (See "Customizing the Access Layer"). If
you have created the links , run ice-httpd-setup without arguments.
From the ICE-T installation directory, run ice-httpd...

...setup performs these tasks:

* Creates an ICE directory under the -cgi-bin directory
* Creates a link to cgi -bin/ICE from the httpd-docs directory
* Creates an application startup directory under...on your Web server. If
you have set up the Web server, creating the symbolic links as
described in "Setting up the Web Server" then you can use ExamIdle .mk
with...

...following argument:

% make -f Example.mk app-install
If you did not create a symbolic link to the cgi-bin directory as
described in "Setting up the Web Server", specify the...

...applet, the Access Layer uses the Application Manager to look up values
for server and client program locations and names in appConfigFile.
Using the configuration file, the Application Manager generates an HTML
wrapper for presenting Presentation Engines as applets in a Web
browser execution environment. (See "Using Startup Applets and HTML
Files" for more information about how to...

...for ICE-T applications.)
To complete the last step in deploying an application to a Web
Browser you use one of two ways to supply application-specific values in
the HTML wrapper...

...the name of the server program
<PresentationEngine> -- specifies where the Presentation Engine
appears on the Web page .
The Application Manager replaces the <Presentation Engine> tag with a
Java <applet> tag that specifies the named Presentation Engine (peClass).

3. Supply messages to return to the browser if user authentication
or application stamp fails.
The template contains tags for authentication failure and application
startup failure messages.
The appConfigFile contains optional tags for you to specify a Web
page title, headings, and text, just as you would for any Web page .
The Application Manager also uses a properties file to set what
applications are returned to...C++

C Server Program Template

Default mainfbr C

ICE-T Exceptions Catalog D
ICE-T client program exceptions are caught by the modules in the
Presentation Engine. The IcetExcelDtionHandler generates exception
messages. It issues warnings and errors by printing messages to the Java
console in a Netscape Navigator environment, or to the terminal where
Java was started (in the case of the...

...errors by printing messages to the application logfile if the
application is launched from a browser or to stdout if the application

```


" is run standAlone.
 Here is a sample message:

ICET...

...CLAIMS segment.

2. The server for a distributed system as recited in claim 1, including a **link** to application development tools from the graphical user interface application.
3. The server for a...

...tools.

6. The server for a distributed system as recited in claim 1, including a **link** to execution administration tools from the graphical user interface application.
7. The server for a...

...a client computer system coupled by a network as recited in claim 9, including a **link** to application development tools from the graphical user interface application.

11. A method for distributing...

...a client computer system coupled by a network as recited in claim 9, including a **link** to execution administration tools from the graphical user interface application.

15. A method for distributing...

...readable medium for enabling a distributed computer system as recited in claim 15, including a **link** to application development tools from the graphical user interface application.

19. ...readable medium for enabling a distributed computer system as recited in claim 15, including a **link** to execution administration tools from the graphical user interface application.
23. The server for a...

14/3,K/6 (Item 6 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 1998 EUROPEAN PATENT OFFICE. All rts. reserv.

00900904

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

Object-oriented system, method and article of manufacture for a client-server application enabler system

Objektorientiertes System, Verfahren und hergestellter Gegenstand fur ein Client-Server-Anwendungermachtigungssystem

Systeme oriente objet, procede, et article de fabrication pour un systeme de validation d'applications client-serveur

PATENT ASSIGNEE:

SUN MICROSYSTEMS, INC., (1392732), 2550 Garcia Avenue, Mountain View, California 94043-1100, (US), (applicant designated states: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE)

INVENTOR:

Gish, Sherri L., 822 DeVoto Street, Mountain View, California 94043, (US)

LEGAL REPRESENTATIVE:

Kindermann, Manfred (6412), Patentanwalt, Sperberweg 29, 71032 Boblingen, (DE)

PATENT (CC, No, Kind, Date): EP 822488 A2 980204 (Basic)

APPLICATION (CC, No, Date): EP 97110834 970701;

PRIORITY (CC, No, Date): US 675235 960701

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: G06F-009/46;

ABSTRACT WORD COUNT: 223

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9806	862

SPEC A	(English)	9806	22730
Total word count - document A			23592
Total word count - document B			0
Total word count - documents A + B			23592

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...ABSTRACT The client and server programs are loosely coupled and exchange information using the network. The **client program** is composed of a User Interface (UI) and an object-oriented framework (Presentation Engine (PE...

...SPECIFICATION of the patent document, or the patent disclosure, as it appears in the Patent and **Trademark** Office.

Field of the Invention

This invention generally relates to improvements in computer systems and...The client and server programs are loosely coupled and exchange information using the network. The **client program** is composed of a User Interface (UI) and an object-oriented framework (Presentation Engine (PE...accordance with a preferred embodiment;

Figure 26 illustrates the steps associated with launching an application **URL** in accordance with a preferred embodiment;

Figure 27 describes the forms of a Presentation Engine...the merchant. HTTP or other protocols could be readily substituted for HTML without undue experimentation. **Information** on these **products** is available in T. Berners-Lee, D. Connolly, "RFC 1866: Hypertext Markup Language - 2.0...

...following areas:

- o Poor performance;
- o Restricted user interface capabilities;
- o Can only produce static **Web pages** ;
- o Lack of interoperability with existing applications and data; and
- o Inability to scale.

Sun...

...client-side validation, offloading appropriate processing onto the client for improved performance. Dynamic, real-time **Web pages** can be created. Using the above-mentioned custom UI components, dynamic **Web pages** can also be created.

Sun's Java language has emerged as an industry-recognized language... e.g. simple animations, page adornments, basic games, etc.). Applets execute within a Java-compatible **browser** (e.g. **Netscape** Navigator) by copying code from the server to client. From a language standpoint, Java's...

...difficult to create, configure, deploy and administer software applications. However, the advent of Web technologies (**browsers** , the Java language and HTTP) has enabled enterprises to create and use internal Webs to...

...with a Graphical User Interface (GUI). The template includes Java classes which will allow the **client program** to communicate with the server program. Scripts and tools for installing and deploying applications, include a generalized startup applet for application launch from a **Web browser** or applet viewer.

The primary development task in accordance with a preferred embodiment is to...for creating an applet that enables users at client nodes to start applications from a **browser** which will be discussed in added detail below.

Figure 4 is a block diagram in...solely on presentation services and its own web access capabilities. The execution framework 724 specifically **links** the front end component 700 to the back end component 730 using event-driven message...events. An API is provided to the PE 960 framework so that a developer can **link** the UI 900 to the UI Adaptor 910.

(2) Extend the PE Framework Template (960...the Web technologies in an Internet, Intranet or other network environment to distribute Client 1330

site information to the Client node. The Server 1300 presents an encapsulated DBMS interface to the...

...First, the developer defines the message events 1450 that must be exchanged between components. The **client program** 1410 and server program 1420 are defined as applications 1430 on the Server Node 1420...

...to understand network communication or system programming in order to design and implement applications. The **client program** can be designed to support efficient presentation services. The DBMS interface is encapsulated in the...it difficult to create, configure, deploy, and administer software applications. The advent of Web technologies (**browsers**, the Java language, HTTP) has enabled enterprises to create and use internal Webs to help...

...program to work with a client as a single application

- * The tools to connect both **client program** and server programs to a framework for executing them
- * Tools for installing, deploying, and administering...

...of a server program component (implemented in any language that can call C) and a **client program** component (implemented in Java). The client component consists of a GUI and a Presentation Engine...

...installing and deploying applications, include a generalized startup applet for providing application launch from a **Web browser** or applet viewer.

- * Centralized authentication of users.

A customizable Access Layer, installed on the server...familiar and pervasive interface.

End-users can name ICE-T applications as applets in a **Web browser**.

ICE-T Application Development and Deployment

The primary development task in an ICE-T application...

...a template for creating a startup applet that enables users to start applications from a **browser**. Chapter 3, "Configuring and Deploying ICE-T Applications" describes these tasks and tools.

Event-Driven...

...messages they want to receive. This information is registered using the createMessageHandlers () method in the **client program** and the createMessageHandlers () function in the server program.

Presentation Engines should include handlers for two...

...and inside ICE-T.

The User View

ICE-T applications can use a Java-enabled **Web browser** for client access to application execution. Although developers may choose to have applications launched outside a **browser**, a **Web page** presents a familiar and easy to use interface for launching applications.

The user begins by opening a **Web page** and clicking on the **URL** for the application she wants to run. The **URL** is the address for a **Web page** that includes an ICE-T application startup applet. The **Web page** with the startup applet is loaded into the **browser**. The applet collects access information from the user. The applet contains the **URL** or the server holding the application components and the application name. This information is processed...

...either to the server program or to its own data model. One example of a **client program** is one that communicates with a server program that searches a database, for example an employee database. Such a **client program** might have these user interface elements:

- * A text field where users enter a first or...

...enters a first or last name and presses Return or clicks a Search

button. The **client program** sends the query to the server, where the server program searches the employee database for...

...HTTP. The server manages this Web connection. ICE-T applications can be launched from a **browser**, an applet viewer, or as standalone applications. Figure 26 illustrates the steps associated with launching an application **URL** in accordance with a preferred embodiment. On the server side, the ICE-T Access Layer...

...instance of the client Communication Library and is ready for execution in a Java-enabled **browser** or anywhere the Java Virtual Machine is installed.

The client node then executes the Presentation...

...handled through the ICE-T Communication Libraries in the ICE-T Communication Layer. When the **client program** terminates, the Application Manager closes the socket connection to the client and terminates any server...

...developers. Alternatively, a single developer can complete ICE-T development tasks in stages. Developing a **client program** requires making a Java Presentation Engine, connecting it to a user interface and to the...

...from the client.

ICE-T Application Building Blocks

An ICE-T application consists of a **client program** and a server program communicating through a Communication Layer. The **client program** consists of:

- * A GUI built with Java
- * A Java Presentation Engine built using a template...

...Presentation Engine may be presented as an applet launched from an applet viewer or a **Web browser**, or as a standalone application.

The server program, new or existing, is developed however the...

...Engine extends (inherits from) a Java Class named PresentationEngine. All of the objects that the **client program** needs are either in the Presentation Engine class or called by it. ICE-T provides...presented in HTML form, like the Java API documentation, and is accessible from the following **URL**:

file:///<ICE-T Installation Directory>/doc/api

where <ICE-T Installation Directory> is the name...

...ICE-T installation directory is in relationship to the directory you have created.

Designing the Client Program

Here are some design decisions to make before you develop the **client program** for an ICE-T application.

- * Using a graphical user interface (GUI) toolkit, specify and design...

...and between the Presentation Engine and server.

- * Decide what application logic to put in the **client program**, if any.

Decide what, if any, data processing you want the **client program** to handle. This affects whether you create event handling for data updates in the Presentation...Implementing createModel () and initializeApplication () is optional.

You do not have to use initializeApplication () unless your **client program** requires local initialization before communication is started.

Importing Packages

The pe(underscore)template imports the...

...the PresentationEngine class.

Creating a Data Model in the Presentation Engine (Optional)

Updates to the **client program** can be sent to the user interface or to the data model in the Presentation...observer list.

Handling Events

ICE-T client programs receive messages in response to external events.

Client program developers need to specify what messages they want the Presentation Engine to receive and register...Preparing the Server Program for Communication

To prepare the server program to communication with the **client program**, the developer "plugs in" the server program to ICE-T's Communication Layer. Connecting the...

...C and the other for C++.

To enable communication between the server program and the **client program**:

- * Create message handlers in the server program that are analogous to the message handlers you...of the files to those used by the server program in your application:

Build the **client program** with the following command:

```
% make -f Example.mk pe
Build the server program:
```

```
% make -f...server (user must install)
Supports HTTP connections; enables Web access and the use of a browser
front end for executing an ICE-T application.
Note - Sun internal users can install the...
```

...Applets and HTML Files

Compiled Presentation Engines can run as applets in a Java-enabled **browser**. To enable users to launch ICE-T applications from a **browser** use the named ICE-T templates to:

- * Create a startup applet for each application. Use...

...template.

Using the Startup Applet describes this step.

- * Create a top-level HTML file with **links** to each application. This file serves as a "splash page" identifying the applications available and including **links** to an HTML file for each application. Use splashTemplate.html.

"Creating a Top-Level HTML..."

...Applet

A startup applet provides a way to launch an ICE-T application from a **Web page**. The startup applet:

- * Starts the HTTP access to the server
- * Authenticates the user
- * Starts the server program
- * Downloads the Presentation Engine as an applet to the **Web page** or opens the applet in a separate user interface window (developer's choice)

You can...

...Presentation Engine in the same window. To have the Presentation Engine appear in a new **browser** window, open startAppletDevIR.java and follow the instruction in the file:

Creating a Top...

...top-level HTML file, or "splash page," to present the list of available applications with **links** to the application-level HTML pages for them. When a user chooses a **link**, the **link** takes them to an application-level HTML page.

ICE-T provides a default HTML file...

...use the default file or make one of your own.

To create a top-level **Web page** for listing the **links** to your application **Web pages** :

1. Copy splashTemplate.html to another file. For example:

```
% cp splashTemplate.html myAppSplashPage.html
2...
```

...want to include about the application(s) listed there.

4. Supply the name and the **URL** of the application-level HTML page for each listed application.

For example, if you used...

...Copy the file to the appropriate location on your Web server.

The result is a **Web page** with a **link** to the named application:

MyApplication1

When a user chooses this **link** , the **browser** loads an application-level HTML page with the startup applet for the application.

Creating Individual...

...these using HTTP to the Access Layer on the server.

To create an application-level **Web page** :

1. Copy alDIDTemlDlate.html to another file. For example:

```
% cp appTemplate.html myAppPage.html
2...
```

...Authenticates the user name and password

* Downloads the Presentation Engine as an applet in a **Web page**

As part of the process of determining access and downloading Presentation Engines, the Access Layer...

...under /bin/ice-httpd-setup.

Before you run this server setup script, you should establish **links** to the cgi-bin directory and the httpd-docs directory.

Create a symbolic **link** to the cgi-bin and httpd-docs directories using the UNIX ln command.

* Become superuser

* Make the **links** : % in -s <absolute path to cgi-bin> /cgi-bin

```
% in - s <absolute path to httpd-docs> /WWW-docs
```

If you cannot create these **links** , provide the absolute path names to cgi - bin and httpd-docs as arguments to the ice-httpd-setup script. If you have not created the **links** , you will need to change the Access Layer's default access properties file to specify...

...bin and httpd-docs locations. (See "Customizing the Access Layer"). If you have created the **links** , run ice-httpd-setup without arguments.

From the ICE-T installation directory, run ice-httpd...

...setup performs these tasks:

* Creates an ICE directory under the -cgi-bin directory

* Creates a **link** to cgi -bin/ICE from the httpd-docs directory

* Creates an application startup directory under...on your Web servers If you have set up the Web server, creating the symbolic **links** as described in "Setting up the Web Server" then you can use ExamIDle .mk with...

...argument:

```
% make -f Example.mk ap-instal 1
```

If you did not create a symbolic **link** to the cgi-bin directory as described in "Setting up the Web Server", specify the...

...applet, the Access Layer uses the Application Manager to look up values for server and **client program** locations and names in appConfigFile.

Using the configuration file, the Application Manager generates an HTML wrapper for presenting Presentation Engines as applets in a **Web browser** execution environment. (See "Using Startup Applets and HTML Files" for more information about how to...

...for ICE-T applications.)

To complete the last step in deploying an application to a **Web Browser** you use one of two ways to supply application-specific values in the HTML wrapper...

...the name of the server program

<PresentationEngine> -- species where the Presentation Engine appears on the **Web page**.

The Application Manager replaces the <Presentation Engine> tag with a Java <applet> tag that specifies the named Presentation Engine (peClass).

3. Supply messages to return to the **browser** if user authentication or application stamp fails.

The template contains tags for authentication failure and application startup failure messages.

The appConfigFile contains optional tags for you to specify a **Web page** title, headings, and text, just as you would for any **Web page**.

The Application Manager also uses a properties file to set what applications are returned to...C++

C Server Program Template

Default mainfbr C

ICE-T Exceptions Catalog D

ICE-T **client program** exceptions are caught by the modules in the Presentation Engine. The IcetExcelDtionHandler generates exception messages. It issues warnings and errors by printing messages to the Java console in a **Netscape** Navigator environment, or to the terminal where Java was started (in the case of the...

...errors by printing messages to the application logfile if the application is launched from a **browser** or to stdout if the application is run standAlone.

Here is a sample message:

ICET...

14/3,K/7 (Item 7 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 1998 EUROPEAN PATENT OFFICE. All rts. reserv.

00900903

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

Object-oriented system, method and article of manufacture for a client-server session WEB access in an interprise computing framework system

Objektorientiertes System, Verfahren und hergestellter Gegenstand zum Webzugriff mittels einer Client-Server-Sitzung in einem Unternehmens-Datenverarbeitungsrah

Systeme oriente objet, procede et article de fabrication pour une session client-serveur pour acceder au Web dans le cadre d'un systeme d'objets informatiques d

PATENT ASSIGNEE:

SUN MICROSYSTEMS, INC., (1392732), 2550 Garcia Avenue, Mountain View, California 94043-1100, (US), (applicant designated states:

AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

Gish, Sherri L., 822 DeVoto Street, Mountain View, California 94043, (US)

LEGAL REPRESENTATIVE:

Kindermann, Manfred (6412), Patentanwalt, Sperberweg 29, 71032 Boblingen, (DE)

PATENT (CC, No, Kind, Date): EP 822487 A2 980204 (Basic)
APPLICATION (CC, No, Date): EP 97110833 970701;
PRIORITY (CC, No, Date): US 675252 960701
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;
MC; NL; PT; SE
INTERNATIONAL PATENT CLASS: G06F-009/46;
ABSTRACT WORD COUNT: 238

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9806	1309
SPEC A	(English)	9806	22731
Total word count - document A			24040
Total word count - document B			0
Total word count - documents A + B			24040

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...ABSTRACT The client and server programs are loosely coupled and exchange information using the network. The **client program** is composed of a User Interface (UI) and an object-oriented framework (Presentation Engine (PE...

...SPECIFICATION of the patent document, or the patent disclosure, as it appears in the Patent and **Trademark** Office.

Field of the Invention

This invention generally relates to improvements in computer systems and...The client and server programs are loosely coupled and exchange information using the network. The **client program** is composed of a User Interface (UI) and an object-oriented framework (Presentation Engine (PE...accordance with a preferred embodiment;

Figure 26 illustrates the steps associated with launching an application **URL** in accordance with a preferred embodiment;

Figure 27 describes the forms of a Presentation Engine...the merchant. HTTP or other protocols could be readily substituted for HTML without undue experimentation. **Information** on these **products** is available in T. Berners-Lee, D. Connolly, "RFC 1866: Hypertext Markup Language - 2.0...

...following areas:

- o Poor performance;
 - o Restricted User interface capabilities;
 - o Can only produce static **Web pages** ;
 - o Lack of interoperability with existing applications and data; and
 - o Inability to scale.
- Sun...

...client-side validation, offloading appropriate processing onto the client for improved performance. Dynamic, real-time **Web pages** can be created. Using the above-mentioned custom UI components, dynamic **Web pages** can also be created.

Sun's Java language has emerged as an industry-recognized language... e.g. simple animations, page adornments, basic games, etc.). Applets execute within a Java-compatible **browser** (e.g. **Netscape** Navigator) by copying code from the server to client. From a language standpoint, Java's...

...difficult to create, configure, deploy and administer software applications. However, the advent of Web technologies (**browsers** , the Java language and HTTP) has enabled enterprises to create and use internal Webs to...

...with a Graphical User Interface (GUI). The template includes Java classes which will allow the **client program** to communicate with the server program. Scripts and tools for installing and deploying applications, include a generalized startup applet for application launch from a **Web browser** or applet viewer.

The primary development task in accordance with a preferred embodiment is to...for creating an applet that enables users at client nodes to start applications from a **browser** which will be discussed in added detail below.

Figure 4 is a block diagram in...solely on presentation services and its own web access capabilities. The execution framework 724 specifically **links** the front end component 700 to the back end component 730 using event-driven message...events. An API is provided to the PE 960 framework so that a developer can **link** the UI 900 to the UI Adaptor 910.

(2) Extend the PE Framework Template (960...First, the developer defines the message events 1450 that must be exchanged between components. The **client program** 1410 and server program 1420 are defined as applications 1430 on the Server Node 1420...

...to understand network communication or system programming in order to design and implement applications. The **client program** can be designed to support efficient presentation services. The DBMS interface is encapsulated in the...it difficult to create, configure, deploy, and administer software applications. The advent of Web technologies (**browsers**, the Java language, HTTP) has enabled enterprises to create and use internal Webs to help...

...program to work with a client as a single application

- * The tools to connect both **client program** and server programs to a framework for executing them
- * Tools for installing, deploying, and administering...

...of a server program component (implemented in any language that can call C) and a **client program** component (implemented in Java). The client component consists of a GUI and a Presentation Engine...

...installing and deploying applications, include a generalized startup applet for providing application launch from a **Web browser** or applet viewer.

- * Centralized authentication of users.

A customizable Access Layer, installed on the server...familiar and pervasive interface.

End-users can name ICE-T applications as applets in a **Web browser**.

ICE-T Application Development and Deployment

The primary development task in an ICE-T application...

...a template for creating a startup applet that enables users to start applications from a **browser**. Chapter 3, "Configuring and Deploying ICE-T Applications" describes these tasks and tools.

Event-Driven...

...messages they want to receive. This information is registered using the createMessageHandlers () method in the **client program** and the createMessageHandlers () function in the server program.

Presentation Engines should include handlers for two...

...and inside ICE-T.

The User View

ICE-T applications can use a Java-enabled **Web browser** for client access to application execution. Although developers may choose to have applications launched outside a **browser**, a **Web page** presents a familiar and easy to use interface for launching applications.

The user begins by opening a **Web page** and clicking on the **URL** for the application she wants to run. The **URL** is the address for a **Web page** that includes an ICE-T application startup applet. The **Web page** with the startup applet is loaded into the **browser**. The applet collects access information from the user. The applet contains the **URL** of the server holding the application components and the application name. This information is processed...

...either to the server program or to its own data model. One example of a **client program** is one that communicates with a server program that searches a database, for example an employee database. Such a **client program** might have these user interface elements:

- * A text field where users enter a first or...

...enters a first or last name and presses Return or clicks a Search button. The **client program** sends the query to the server, where the server program searches the employee database for...

...HTTP. The server manages this Web connection. ICE-T applications can be launched from a **browser**, an applet viewer, or as standalone applications. Figure 26 illustrates the steps associated with launching an application **URL** in accordance with a preferred embodiment. On the server side, the ICE-T Access Layer...

...instance of the client Communication Library and is ready for execution in a Java-enabled **browser** or anywhere the Java Virtual Machine is installed.

The client node then executes the Presentation...

...handled through the ICE-T Communication Libraries in the ICE-T Communication Layer. When the **client program** terminates, the Application Manager closes the socket connection to the client and terminates any server...

...developers. Alternatively, a single developer can complete ICE-T development tasks in stages. Developing a **client program** requires making a Java Presentation Engine, connecting it to a user interface and to the...

...from the client.

ICE-T Application Building Blocks

An ICE-T application consists of a **client program** and a server program communicating through a Communication Layer. The **client program** consists of:

- * A GUI built with Java

- * A Java Presentation Engine built using a template...

...Presentation Engine may be presented as an applet launched from an applet viewer or a **Web browser**, or as a standalone application.

The server program, new or existing, is developed however the...

...extends (inherits from) a Java class named Presentation Engine. All of the objects that the **client program** needs are either in the Presentation Engine class or called by it. ICE-T provides...presented in HTML form, like the Java API documentation, and is accessible from the following **URL**:

file:/// <ICE-T Installation Directory>/doc/api

where <ICE-T Installation Directory> is the name...

...ICE-T installation directory is in relationship to the directory you have created.

Designing the Client Program

Here are some design decisions to make before you develop the **client program** for an ICE-T application.

- * Using a graphical user interface (GUI) toolkit, specify and design...

...and between the Presentation Engine and server.

- * Decide what application logic to put in the **client program**, if any.

Decide what, if any, data processing you want the **client program** to handle. This affects whether you create event handling for data updates in the Presentation...Implementing createModel () and initializeApplication () is optional.

You do not have to use initializeApplication () unless your **client**

program requires local initialization before communication is started.

Importing Packages

The `pe(underscore)template` imports the...

...the `PresentationEngine` class.

Creating a Data Model in the Presentation Engine (Optional)

Updates to the **client program** can be sent to the user interface or to the data model in the `Presentation...observer` list.

Handling Events

ICE-T client programs receive messages in response to external events.

Client program developers need to specify what messages they want the `Presentation Engine` to receive and register...Preparing the Server Program for Communication

To prepare the server program to communication with the **client program**, the developer "plugs in" the server program to ICE-T's `Communication Layer`. Connecting the...

...C and the other for C++.

To enable communication between the server program and the **client**

program :

- * Create message handlers in the server program that are analogous to the message handlers you...of the files to those used by the server program in your application:

Build the **client program** with the following command:

```
% make -f Example.mk pe
```

Build the server program:

```
% make -f...server (user must install)
```

Supports HTTP connections; enables Web access and the use of a **browser** front end for executing an ICE-T application.

Note - Sun internal users can install the...

...Applets and HTML Files

Compiled `Presentation Engines` can run as applets in a Java-enabled **browser**. To enable users to launch ICE-T applications from a **browser** use the named ICE-T templates to:

- * Create a startup applet for each application. Use...

...template.

Using the `Startup Applet` describes this step.

- * Create a top-level HTML file with **links** to each application. This file serves as a "splash page" identifying the applications available and including **links** to an HTML file for each application. Use `splashTemplate.html`.

"Creating a Top-Level HTML..."

...Applet

A startup applet provides a way to launch an ICE-T application from a **Web page**. The startup applet:

- * Starts the HTTP access to the server
- * Authenticates the user
- * Starts the server program
- * Downloads the `Presentation Engine` as an applet to the **Web page** or opens the applet in a separate user interface window (developer's choice)

You can...

...Presentation Engine in the same window. To have the `Presentation Engine` appear in a new **browser** window, open `startAppletDevIR.java` and follow the instruction in the file:

Creating a Top...

...top-level HTML file, or "splash page" to present the list of available applications with **links** to the application-level HTML pages for them.

When a user chooses a **link** , the **link** takes them to an application-level HTML page.
 ICE-T provides a default HTML file...

...use the default file or make one of your own.
 To create a top-level **Web page** for listing the **links** to your application **Web pages** :

1. Copy splashTemplate.html to another file. For example:

```
% cp splashTemplate.html myAppSplashPage.html
2...
```

...want to include about the application(s) listed there.

4. Supply the name and the **URL** of the application-level HTML page for each listed application.
 For example, if you used...

...Copy the file to the appropriate location on your Web server.
 The result is a **Web page** with a **link** to the named application:

```
MyApplication1
  when a user chooses this link , the browser loads an
  application-level HTML page with the startup applet for the application.
```

Creating Individual...

...these using HTTP to the Access Layer on the server.
 To create an application-level **Web page** :

1. Copy alDIDTemlDlate.html to another file. For example:

```
% cp appTemplate.html myAppPage.html
2...
```

...Authenticates the user name and password

- * Downloads the Presentation Engine as an applet in a **Web page**
 As part of the ...under /bin/ice-httpd-setup.
 Before you run this server setup script, you should establish **links** to the cgi-bin directory and the httpd-docs directory.
 Create a symbolic **link** to the cgi-bin and httpd-docs directories using the UNIX ln command.
- * Become superuser
- * Make the **links** : % in -s <absolute path to cgi-bin> /cgi-bin

```
% in - s <absolute path to httpd-docs> /WWW-docs
```

If you cannot create these **links** , provide the absolute path names to cgi-bin and httpd-docs as arguments to the ice-httpd-setup script. If you have not created the **links** , you will need to change the Access Layer's default access properties file to specify...

...bin and httpd-docs locations. (See "Customizing the Access Layer"). If you have created the **links** , run ice-httpd-setup without arguments
 From the ICE-T installation directory, run ice-httpd...

...setup performs these tasks:

- * Creates an ICE directory under the -cgi-bin directory
- * Creates a **link** to cgi-bin/ICE from the httpd-docs directory
- * Creates an application startup directory under...on your Web server. If you have set up the Web server, creating the symbolic **links** as described in "Setting up the Web Server" then you can use ExamDle.mk with...

...argument:

```
% make -f Example.mk app-install
```

If you did not create a symbolic **link** to the cgi-bin directory as described in "Setting up the Web Server", specify the...

...applet, the Access Layer uses the Application Manager to look up values

for server and **client** **program** locations and names in appConfigFile. Using the configuration file, the Application Manager generates an HTML wrapper for presenting Presentation Engines as applets in a **Web browser** execution environment (See "Using Startup Applets and HTML Files" for more information about how to...

...for ICE-T applications.)

To complete the last step in deploying an application to a **Web Browser** you use one of two ways to supply application-specific values in the HTML wrapper...

...the name of the server program

<PresentationEngine> -- specifies where the Presentation Engine appears on the **Web page**.

The Application Manager replaces the <Presentation Engine> tag with a Java <applet> tag that specifies the named Presentation Engine (peClass).

3. Supply messages to return to the **browser** if user authentication or application stamp fails.

The template contains tags for authentication failure and application startup failure messages.

The appConfigFile contains optional tags for you to specify a **Web page** title, headings, and text, just as you would for any **Web page**.

The Application Manager also uses a properties file to set what applications are returned to...C++

C Server Program Template

Default mainfbr C

ICE-T Exceptions Catalog D

ICE-T **client** **program** exceptions are caught by the modules in the Presentation Engine. The IceTExcelDtionHandler generates exception messages. It issues warnings and errors by printing messages to the Java console in a **Netscape** Navigator environment, or to the terminal where Java was started (in the case of the... /

...errors by printing messages to the application logfile if the application is launched from a **browser** or to stdout if the application is run standAlone.

Here is a sample message:

ICET...

14/3,K/8 (Item 8 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 1998 EUROPEAN PATENT OFFICE. All rts. reserv.

00887569

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

Preserving state in stateless network protocols

Bewahrung des Systemzustandes in zustandslosen Netzprotokollen

Conservation d'un etat dans les protocoles sans etats

PATENT ASSIGNEE:

INTERNATIONAL BUSINESS MACHINES CORPORATION, (200123), , Armonk, NY 10504, (US), (applicant designated states:

AT;BE;CH;DE;ES;FR;GB;IT;LI;NL;SE)

INVENTOR:

Iyengar, Arun, 1160 Park Lane, Yorktown Heights, New York 10598, (US)

LEGAL REPRESENTATIVE:

Moss, Robert Douglas (34141), IBM United Kingdom Limited Intellectual

Property Department Hursley Park, Winchester Hampshire SO21 2JN, (GB)

PATENT (CC, No, Kind, Date): EP 812088 A2 971210 (Basic)

APPLICATION (CC, No, Date): EP 97303519 970522;

PRIORITY (CC, No, Date): US 660633 960607

DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; IT; LI; NL; SE

INTERNATIONAL PATENT CLASS: H04L-029/06; G06F-009/44;

ABSTRACT WORD COUNT: 249

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9712W1	1256
SPEC A	(English)	9712W1	7940
Total word count - document A			9196
Total word count - document B			0
Total word count - documents A + B			9196

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...SPECIFICATION Internet WWW server supports clients and provides information. The Web can be considered as the **Internet** with all of the **resources** **addressed** as **URLs** and which uses HTML to display the information corresponding to **URLs** and provide a point-and-click interface to other **URLs** .

Universal Resource Locator (URL)

A way to uniquely identify or address information on the Internet. Can be considered to be a Web document version of an e-mail address. **URLs** can be cumbersome if they belong to documents buried deep within others. They can be accessed with a Hyperlink. An example of a **URL** is

"http://www.arun.com:80/table.html". A **URL** has four components. Starting from the left, the first specifies the protocol to use, separated...

...this example, the ".html" extension means that this is an HTML file.

Hyperlink (or hypertext link)

A network address embedded in a word, phrase, icon or picture that is activated when...

...select it. Information about that item is returned to the client and displayed using a **Web browser** .

HyperText Markup Language (HTML)

HTML is the language used by Web servers to create and...

...treated independently. The server has no record of previous connections. At the beginning of a **URL** , "http:" indicates the file contains hyperlinks.

Home page

A multi-media table of contents that guides a web user to stored information, e.g., about an organization, on the Internet.

Web browser

A program running on a computer that acts as an Internet tour guide, complete with...

...directories and search tools used when a user "surfs" the Internet. In this application the **Web browser** is a client service which communicates with the World Wide Web.

HTTP Daemon (HTTPD)

An...

...on the intranet and access to the Internet, such as TCP/IP couplings.

Continuations

Hypertext links (or hyperlinks) are examples of continuations in client-server communications. A continuation is a new...

...client always picks the next request from the set of continuations. On the Web, **hypertext links** represent continuations and a client engages in a conversation whenever it follows **hypertext links** .

BACKGROUND OF THE INVENTION

Networks have transformed the way people do computing. Someone with access...any of the detailed workings of the requested service or server. On the World Wide Web , "**browsers** " constitute client programs while the programs sending back information to the **browser** constitute server programs.

A client and server may communicate either synchronously or asynchronously. In a...

...Web consists of multiple servers networked together. Clients typically communicate with servers using a standard **browser** such as are sold under the trademarks "**NETSCAPE NAVIGATOR**" by Netscape , "**MOSAIC** " from NCSA, or "**WEB EXPLORER** " by IBM. The most common method of communicating between clients and servers is via the...

...tags. These tags are surrounded by greater than and less than signs (<....>) and instruct the **browser** how to interpret different parts of documents. **Browsers** use **Uniform Resource Locators (URLs)** to uniquely identify or address information on the Internet. **Browsers** read HTML documents corresponding to the **URLs** and display them by following the instructions stored in the markup tags.

The HTML code sequence below (Table 1) shows the HTML text corresponding to the Web home page of the IBM T. J. Watson Research Center on June 3, 1996. This Web page corresponds to the **URL** "http://www.watson.ibm.com/". The corresponding output that would be displayed on a standard **browser** accessing this page is shown in Figure 1.

Many Web **browsers** allow users to view the HTML source code of any document being viewed. The HTML...

...IBM T. J. Watson Research Center. When this Web server receives a request for the **URL**

"http://www.watson.ibm.com/", it sends the appropriate file to the client's **browser** . The client's **browser** will then read and display the HTML file. (Table 1 contains a number of relative **links** . The hypertext **links** and image files are only valid if ...the "night.gif" file in Table 1 is stored at an arbitrary location, the hypertext **links** will be invalid and the associated images will not appear.)

The line in Table 1 reading "Visitor info and local **site** directions" is an example of a hypertext **link** (also called a hyperlink). The corresponding output as it would be displayed by a standard **browser** is depicted in Figure 1. When the user clicks on this **link** as depicted in Figure 1 when displayed by the **browser** , a new HTML file, "menu.html", is fetched from the server and displayed by the **browser** . Hypertext **links** to documents on both local and remote servers can be placed in an HTML file. The ability to incorporate hyperlinks within an HTML file to **link** documents on servers all over the world is one of the key features of the World Wide Web. In other words, a Web **browser** can be used to access information from servers all over the world by simply pointing and clicking on hypertext **links** .

Recall that Hypertext **links** are examples of "continuations" in client-server communication. A continuation is a new request which...

...client always picks the next request from the set of continuations.

On the Web, hypertext **links** represent continuations and a client engages in a conversation whenever it follows hypertext **links** . A conversation is interrupted whenever the client obtains a new page by explicitly requesting a new **URL** instead of following hypertext **links** . It is possible to continue an interrupted conversation if a page corresponding to the interrupted conversation is still available to the client, e.g., in the **browser** cache or in disk memory. If so, the conversation may be continued by reloading the...

...such that $1 \leq i \leq n$, page p_i was obtained by following a hypertext **link** on page p_{i-1} .

In an uninterrupted conversation, the client simply follows $n-1$ hypertext **links** to get from page p_1 to p_n without ever "backtracking".

In an interrupted conversation, the...

...lt;= i < n,

2. Views other pages either by following hyperlinks or explicitly accessing **URL** 's, and

3. Returns to page pi by reloading pi from memory (presuming that pi is still available).

All requests for **URL** 's are stateless. Even if a client requests a page multiple times, the server doesn't...

...arguments via an HTML "form". An example of an HTML form as displayed by a **Web browser** is shown in Figure 2. The user fills in the appropriate fields and sends the...preserving state have been noted by others, see, e.g., "Persistent Client State HTTP Cookies", **Netscape** Communications Corporation, 1996,

[http://home.netscape.com/newsref/std/cookie\(underscore\)spec.html](http://home.netscape.com/newsref/std/cookie(underscore)spec.html); see also, "Proposed HTTP State-Info Mechanism", D...

...the present invention preserves state without requiring changes to the underlying protocol.

Another solution, by **Netscape** Communications has been to add a feature called Cookies to their **browsers**; see "Persistent Client State HTTP Cookies", **Netscape** Communications Corporation, 1996,

[http://home.netscape.com/newsref/std/cookie\(underscore\)spec.html](http://home.netscape.com/newsref/std/cookie(underscore)spec.html). Here, a server can satisfy an HTTP request...

...as a cookie to its response. The cookie contains a description of the range of **URL** 's for which the state is valid. The cookie is stored by the **Netscape browser** running on the client. Any future HTTP requests made by the client to one of the **URL** 's specified in the cookie will include a transmittal of the state object stored in...

...approach. The server application which wishes to preserve state must provide a list of all **URL** 's which might make use of the state. This is cumbersome and may sometimes be...

...also lack a method for correlating state information with specific conversations. For example, suppose a **browser** accesses the same **URL** in two separate conversations. During the first conversation, state information exists at the time the **URL** is accessed and is passed to the server via a cookie. During the second conversation, no state information exists at the time the **URL** is accessed. However, the old cookie still exists and the old state is still passed...

...is that cookies are not a standard feature and will only work with servers and **browsers** which support **Netscape** 's protocol.

Thus, there is a need for a method and system for preserving state in a stateless protocol which is not limited to a list of **URL** 's which need to make use of the state information and where state information is...

...for a system of preserving state in a protocol as HTTP that works with any **browser** supporting the HTTP protocol and doesn't require specialized nonstandard features on the client or...information.

In a preferred embodiment, the method allows state to be preserved while traversing hypertext **links** using a **Web browser** on the World Wide Web. Hypertext **links** constitute continuations. A client **browser** follows a conversation by following hypertext **links** to fetch new pages. The present invention has features which preserves state variables across any...

...wherein:

FIG. 1 is an example of an HTML page as displayed by a standard **browser**;

FIG. 2 depicts an example of an HTML "form" as viewed by a **Web browser**;

FIG. 3 shows a block diagram of a prior art client and server using a

...

...and method step 745 of Figure 7b;

FIG. 9a depicts a structure of a hypertext link to an HTML file;

Fig. 9a' depicts the structure of Figure 9a modified to preserve state in accordance with the present invention;

FIG. 9b depicts a structure of a hypertext link to a type 1 CGI program;

Fig. 9b' depicts the structure of Figure 9b with...

...arguments in accordance with the present invention;

FIG. 9c depicts a structure of a hypertext link to a type 2 CGI program; and

Fig. 9c' depicts the structure of Figure 9c...over the Internet.

Customers access the server 410' via a client 450 running a standard browser 460. In order to communicate securely, the 'browser' 460 should be able to communicate using SSL. See, e.g., A. O. Freier, P...
...P. C. Kocher. "The SSL Protocol Version 3.0", Internet Draft, March 1996, <http://home.netscape.com/eng/ssl3/ssl-toc.html>, which is hereby incorporated by reference in its entirety. However, some services can be used by browsers which don't support SSL. Users may browse catalogues which may be stored on a...

...medium such as direct access storage device (DASD) 470. As with conventional catalogues, users browse product descriptions and can pick and choose which items to add to their purchase lists. When the...

...stored in the database 475. An exemplary DBMS is that sold by IBM under the trademark 'DB2'. In addition, the server 410' allows users to browse product catalogues in the course...

...to transparently maintain this state information during a conversation.

Any client 450 may access a 'home page' associated with the server 410' as well as view product catalogues. In order to purchase products, update customer information, or access certain types of information, it is necessary for the user to provide authentication...

...410' using HTTP while preserving state. As depicted, in step 700, the client accesses a home page residing on server 410'. In step 710, the client begins browsing a product catalogue and...enter it whenever authentication is needed.

Recall also that using "cookies" limits the range of URL 's for which state is preserved. Using cookies further lacks the ability to correlate state...

...state information to be provided a server. Lastly, cookies require the use of a specific browser and may require specialized and/or nonstandard features on the client or server.

Figure 8...

...Gateway Interface (CGI) capabilities 413.

As depicted, in step 740', assume a client 450 running Web browser 460 selected a hyperlink to request a service via (stateless protocol) HTTP to a Web server 410'. In step 810, the server 410' interprets the URL, for example, as being a call to a CGI program 'pl' 415 which determines that...

...invoked from the conversation are given access. Pl generates an HTML page 'h' with hypertext links for the client 450 to continue the conversation. Instead of returning the output, page 'h'...

...steps 811 and 812, the convert1 module of the converter program modifies all the hypertext links to HTML in h, to preserve the state variables. All relative hypertext links are converted to absolute hypertext links (also called hyperlinks). See co-pending United States patent application Serial Number 512205, filed August...

...absolute address conversion scheme. Those skilled in the art will appreciate that the modification of links to HTML files (step 811) and links to CGI programs (step 812) could be done in a one-pass or a two...

...module of the converter program 416 takes HTML page h and modifies all the hypertext **links** to HTML files to preserve the state variables. Hypertext **links** to HTML files may be modified to be a call to a CGI program convert2...

...form depicted in Figure 9a':

<A HREF =

"http://www.watson.ibm.com/cgi-bin/convert2?url
=//www.watson.ibm.com/mail .html&x=32&y=45">

In step 812, the convert1 module of the converter program modifies all the hypertext **links** to CGI programs. Note that hypertext **links** which are calls to CGI programs may have the state variables preserved two different ways...

...to the CGI program 940 but don't embed the state variables within any hypertext **links** generated by the CGI program, i.e., don't embed a call to convert2. Using this approach, the CGI program is responsible for propagating state within hypertext **links** it generates; or

(b) Preferably, as depicted in Figures 9c', pass the state variables 930...

...and embed the state variables (by an embedded call to the converter 920') within hypertext **links** generated by the CGI program.

In order to take advantage of both approaches (a) and...and y=45. The converter 416 would append the state variables 930' to the hypertext **link** to the following form (as depicted in Figure 9b'):

<A HREF="http://www.watson.ibm...

...32&y=45">

Now consider, with reference to Figure 9c, an example of a hypertext **link** to a type 2 CGI program:

<A HREF="http://www.watson.ibm.com/cgi-bin...

...state variables 930'' are x=32 and y=45. The converter would modify this hypertext **link** to the following form (as depicted in Figure 9c'):

<A

HREF="http://www.watson.ibm.com/cgi-bin/convert2?url
=//www.watson.ibm.com /cgi-bin/prog&numargs=1&arg1=55&x=32&y=45...

...step 813, the client 450 receives HTML file h from the server 410'. Every hypertext **link** (with the exception of hypertext **links** resulting from type 1 CGI programs) returned to the client is now a call to the convert2 routine of the converter. In step 814 the client 450 running **browser** 460 selects one of the hypertext **links**. In step 815, the server determines if the selected hypertext **link** is a call to convert2. If yes, the process continues at step 817. In step 817, there are two possibilities:

(1) The **URL** passed to convert2 references an HTML file. Here, the process continues at step 819. Suppose, for example, the client had selected the following **link** : In step 819, convert2 fetches the HTML page contained in the file "mail.html". It...

...converter and the process returns to step 811, as described previously.
or,

(2) The hypertext **link** is a call to a CGI program. In this case, the process continues to step 818. Suppose, for example, the client had selected the following **link** :

<A

HREF="http://www.watson.ibm.com/cgi-bin/convert2?url
 =//www.watson.ibm.com /cgi-bin/prog&numargs=1&arg1=55&x=32&y=45">
 Here, the second argument to convert2, numargs=1, indicates that the
 initial hypertext link only passed one argument to "prog", i.e.,
 "arg1=55". The other two arguments, "x...
 ...between the client and server.
 The present invention is designed to work for a standard browser 460
 which doesn't necessarily support downloading of programs from the server
 which can then execute on the client. For a browser which supports
 downloadable server programs such as those written using Java
 ("applets"), or any other...
 ...the Web might have a converter (converter A) for maintaining state. One
 of the hypertext links might be to a hotel booking system on a remote
 server with its own converter...some point, state information is attached
 to the conversation. The client then follows a hypertext link to the
 hotel booking system. Converter A continues to maintain state information
 while the client...
 ...CGI program as discussed previously. In this case, converter A can stop
 monitoring future hypertext links in the conversation.
 (2) Converter A could treat converter H as a type II CGI program and
 continue to modify hypertext links. In addition, converter A could add
 special links to future HTML pages which would allow the user to escape
 from the control of...
 ...conversation. The server wishes to filter all HTML text and leave out
 phrases and hypertext links which have been determined to be
 objectionable. The present invention provides a method for filtering...
 ...text. A server 410' running a converter 416 has access to a database 475
 of home page URL 's for major corporations. The server wishes to add
 hypertext links each time the name of a company in the database
 appears in an HTML page. For example, each time the name IBM or
 International Business...
 ...in an HTML page, the server would like to convert the reference to a
 hypertext link to IBM's home page. By doing this, the client would
 be able to obtain useful information about companies appearing...
 ...This can be accomplished by modifying the converter 416 to search HTML
 pages for all company names which appear in the database. Whenever
 such a name is found, a hypertext link to the company's home page
 would be inserted into the HTML text returned to the client. The
 converter 416 can continue to monitor the conversation in the event that
 hypertext links are followed to remote servers. As noted above, if the
 client can download programs from...

14/3,K/9 (Item 9 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 1998 EUROPEAN PATENT OFFICE. All rts. reserv.

00887548

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

Web browser allowing navigation between hypertext objects using remote control

Web - browser, der die Navigation zwischen Hypertextobjekten mit einer Abstandsbedienung ermöglicht

Web - browser qui permet la navigation entre objets hypertextes en utilisant une commande a distance

PATENT ASSIGNEE:

Webtv Networks, Inc., (2302170), 305 Lytton Avenue, Palo Alto, California 94301, (US), (applicant designated states: BE;DE;FR;GB;IT;LU;NL)

INVENTOR:

White, Christopher M., 2400 Pacific Avenue, Apt. 709,, San Francisco California 94115, (US)

Goldman, Phillip Y., 400 Fir Lane, Los Altos California 94024, (US)
Anderson, David R., 10761 West Estate Drive, Cupertino California 95014,
(US)
Ohlfs, Keith R., 1154 Bentoak Lane, San Jose California 95129, (US)
Leak, Bruce A., 416 Homer Avenue, Palo Alto California 94301, (US)

LEGAL REPRESENTATIVE:

Wombwell, Francis et al (46021), Potts, Kerr & Co. 15, Hamilton Square,
Birkenhead Merseyside L41 6BR, (GB)
PATENT (CC, No, Kind, Date): EP 811940 A2 971210 (Basic)
APPLICATION (CC, No, Date): EP 97302876 970429;
PRIORITY (CC, No, Date): US 660088 960603
DESIGNATED STATES: BE; DE; FR; GB; IT; LU; NL
INTERNATIONAL PATENT CLASS: G06F-017/30;
ABSTRACT WORD COUNT: 146

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9712W1	4576
SPEC A	(English)	9712W1	10140
Total word count - document A			14716
Total word count - document B			0
Total word count - documents A + B			14716

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348
Web browser allowing navigation between hypertext objects using remote control
Web - browser, der die Navigation zwischen Hypertextobjekten mit einer Abstandsbedienung ermöglicht
Web - browser qui permet la navigation entre objets hypertextes en utilisant une commande a distance

...ABSTRACT A2

Browser software implemented in a set-top box as part of a client system communicating over...

...or more servers allows a user to navigate using a remote control through World-Wide Web pages in which a plurality of hypertext anchors are displayed on a television. A user input...

...from a remote input device is received by the client system over an infrared (IR) link . The user input specifies a direction in which the user wishes to move a selection...

...SPECIFICATION to name just a few. Advances in network technology, and especially in software such as "Web browsers " (software applications which provide a user interface to the Web), have made the Web accessible ...

...unwilling to learn the basic computer skills that are required to access the Web. Furthermore, Web browsers in the prior art generally do not provide the degree of user-friendliness desired by...

...them to identify hypertext objects and use the point-and-click technique to browse through Web pages .
Most people, however, feel quite comfortable using a remote control to operate a television set...

...it would be desirable for a person to be able to access and navigate through Web pages using an ordinary television set and a remote control. It would further be desirable to...

...which a person can use a remote control to navigate between hypertext objects on a Web page with minimal effort or thought, so that a person feels more as if he or she is simply changing television channels rather than utilizing a complex computer network.
Prior art Web browsers also have certain limitations in the way they allow a user to move between Web sites . Browsing the Web can be

thought of as moving forward and backward through various levels of a tree hierarchy. Each level in the tree represents a **Web page**. Since each **Web page** can have many hypertext links to other pages, a level in the tree can have many branches. Selecting a hypertext...

...is analogous to moving down one level in the tree, whereas returning to the previous **Web page** is analogous to moving up one level in the tree. Prior art **Web browsers** generally provide a "Back" function for moving up one level to a previously visited **Web page** and a "Forward" function for moving down one level to a previously visited **Web page**. There is no ambiguity for the user when moving up a level in the tree, since there is always only one immediately prior **Web page**. However, there is often ambiguity when moving down one level to a previously visited level...

...exactly. Remembering this sequence can be an arduous task if the user has visited many **Web pages**. Therefore, it would be desirable to provide browsing functions such as "Back," "Forward," and others...

...not appropriately sized for the display being used. One prior art solution for dealing with **Web pages** larger than the display is to allow horizontal and vertical scrolling. However, it has been...

...solution to displaying oversized image maps which eliminates the need for horizontal scrolling.

In addition, **Web browsers** in the prior art have various other disadvantages which are overcome by the present invention...system.

Figure 1C is a block diagram of an electronics unit used to implement a **Web browser** that can be operated by remote control.

Figure 2A illustrates the functional relationship between hardware...

...the client processing system of Figure 1A.

Figure 2B is a block diagram of the **Web browser** application software of Figure 2B.

Figure 3 illustrates a remote control for controlling the **Web browser**.

Figures 4A and 4B illustrates a displayed page of information containing a number of hypertext...

...procedure for selecting an image map displayed on a display device and for accessing a **Web page** represented by the image map.

Figure 10 is a flow diagram illustrating a process for...

...present invention.

Figure 12 illustrates an example of a display showing representations of recently visited **Web sites**.

DETAILED DESCRIPTION

A method and apparatus are described for allowing a user to navigate between...

...will be described in greater detail below, the present invention includes steps for implementing a **Web browser** that allows a user to navigate through hypertext objects included in a World-Wide Web (hereinafter "**Web**") **page** using a remote control. The user is not required to identify or locate hypertext objects...

...The WebTV(TM) box 10 is coupled to the television set 12 by a video link 6. The video link 6 is an RF (radio frequency), S-video, composite video, or other equivalent form of video link. The communication link 29 between the WebTV(TM) box 10 and the server 5 is either a telephone...

...WebTV(TM) box 10 receives commands from remote control 11 via an infrared (IR) communication link. In alternative embodiments, the link between the remote control 11 and the WebTV(TM) box 10 may be RF or...

...the like.

As mentioned above, the WebTV(TM) box 10 includes application software including a **Web browser**. Referring now to Figure 2A, the

' above-mentioned application software 31 operates in conjunction with...

...can be stored on any suitable storage medium, including magnetic or optical storage devices.

The **Web browser** functions of the present invention are implemented by application software 31. Figure 2B illustrates the...

...interface 56, a selection handler 55, and a streams manager 57. The client system receives **Web pages** over network connection 29 in the form of HTML documents. Streams manager 57 controls and...

...document may include one or more "hypertext anchors," which are displayable objects that provide a **link** to another **Web page**. Hypertext anchors are also sometimes referred to as "hot links" or "hot spots." Each hypertext anchor is associated with a particular **URL** (**Uniform Resource Locator**) or other logical address representing the location of the **Web page** to which the anchor provides a **link**. The **URL** may or may not be stored within the client system, as will be discussed below...is responsible for measuring and drawing images.

In the course of browsing through a displayed **Web page** or between different **Web pages**, a user activates buttons on remote control 11, which, in response, transmits IR signals that...

...55 determines, in response to the user inputs, which of the hypertext anchors in a **Web page** should be a current selection and provides a selection indication to the user of the current selection through the display of television set 12. Other aspects of the **Web browser** which are visible to the user are provided by user interface 56 based on signals...

...Home button 35 causes the WebTV(TM) box 10 to directly access and display the **Home page** of the WebTV(TM) network services. Back button 3 allows the user to retrace his steps by revisiting previously-visited **Web pages** in reverse chronological order. Recent button 37 is used to access a display indicating the most recent **Web sites** (pages) the user has visited. From this display, the user will be allowed to directly revisit any of those **sites**. Scroll Up button 8 and Scroll Down button 9 are used to scroll the screen up or down, respectively, to display a previously undisplayed portion of a **Web page**. Direction buttons 15-18 allow the user to specify a direction of movement in order...

...control 11 sends a command to the WebTV(TM) box 10 to activate the hypertext **link** corresponding to the currently selected hypertext anchor. That is, in response to Enter button 19 being pressed, the **uniform resource locator (URL)** or other logical address of the currently selected hypertext object is transmitted by the WebTV...

...of certain image maps, as will be described below) in order to access the corresponding **Web page**.

Hotlink Navigation

Figure 4A illustrates an example of a **Web page** 100 which may be displayed by television 12 using the client system. **Web page** 100 is a sample **home page** for a fictitious company, Company XYZ. **Web page** 100 includes a number of hypertext anchors 101-115, each of which provides a **link** to another **Web page** that is not currently displayed. In **Web page** 100, hypertext anchors 101, 102, 109, 110, 111, and 115 are image maps. Hypertext anchors...

...within image map 116, which is not a hypertext anchor. Hypertext anchor 101 is the **logo** for Company XYZ. **Logo** anchor 101 may provide a **link**, for example, to another **Web page** which provides a history of company XYZ. Hypertext anchor 115 may provide a **link**, for example, to an audio stream which generates the jingle (theme song) of Company XYZ...

...be output to the user through the speaker of television 12. The remainder of the **Web page** 100 contains **informational** text about **Company XYZ** grouped under the headings: "**Product Information**," "**Company News**," "**Personnel Profiles**," "**Sales Offices**," and "**Job**

' Opportunities." Hypertext anchors 103-108 and 112-114...

...provides a means for the user to navigate between the hypertext anchors displayed on a **Web page**, such as **Web page** 100, using the remote control 11. In particular, application software 31, in response to user ...

...selection by highlighting 118. Once a hypertext anchor is selected, the user can activate its **link** to another **Web page** by pressing "Enter" button 19. To change the current selection, the user specifies a direction...pressing one of direction buttons 15-19 on remote control 11. Figure 4B illustrates the **Web page** 100 as displayed with the anchor 104 as the current selection, as indicated by highlighting...

...to an insertion sort routine. The selectables are sorted according to their positioning on the **Web page**, as it is to be displayed. More specifically, the list of selectables is formed according...

...selectable list at a position before any selectables which it appears higher than on the **Web page**; a selectable would also be inserted into the selectable list at a position before any selectables that it appears to the left of on the **Web page** but have the same vertical position. In performing the insertion sort to generate the list...

...now to Figures 4A and 4B for example, the sorted list of selectables generated from **Web page** 100 would have the following order (listed by reference numeral): 101, 102, 104, 103, 105...

...a list of pointers to entries in the list of displayables. Note that in reading **Web page** 100 from top to bottom (in English), a person would encounter anchor 104 before encountering...

...112. Consequently, anchors 111 and 112 are considered to have the same vertical rank on **Web page** 100. However, since anchor 112 appears to the left of anchor 111, anchor 112 is...the current selection, as discussed below. As mentioned above, the user may activate the hypertext **link** of the current selection by pressing "Enter" button 19.

Movement of the current selection in...is defined herein to be an image map for which the client system has a **URL**. The client system can therefore directly access any **Web page** to which a client-side image map is linked. In contrast, a "server-side" image...

...to be an image map which is or includes one or more hypertext anchors, the **URLs** of which are not available to the client system. That is, the information for a...

...image map is stored on one or more server systems. The client system activates a **link** to a server-side image map by transmitting the screen coordinates corresponding to that image map to one of the server systems, which in turn accesses the **URL** of the corresponding hypertext object.

Referring again to Figure 4A, **Web page** 100 includes image map 116. Image map 116 includes hypertext anchors 101 and 102. Assume...

...user inputs, hypertext anchors 101 and 102 are treated as any other hypertext objects on **Web page** 100. That is, the selection can be moved back and forth between anchors 101 and 102, or between either of these anchors and any other anchor on **Web page** 100, using the direction buttons 15-18. Assume instead that image map 116 is a...

...In that case, the HTML document received by the client system does not specify the **URLs** associated with hypertext anchors 101 and 102. Therefore, the entire image map 116 is treated...connection 29 to the server system which provided the HTML document and which has the **URL** or other address of any hypertext anchors included in the server-side image map. If...

...e.g., anchor 101 or 102 in Figure 8), the server system then accesses the **Web page** at the corresponding **URL** or other address and

transmits an HTML document defining that **Web page** to the client system.

As noted above, an image map may be or may include...

...determines whether the coordinates correspond to a hypertext anchor, as described above. If so, the **Web page** at the corresponding address is retrieved and transmitted back to the client system over the...

...monitor rather than on an ordinary television set. One prior art solution for dealing with **Web pages** larger than the display is to allow horizontal and vertical scrolling. However, it has been...

...the present invention provides a mechanism to eliminate the need for horizontal scrolling for oversized **Web pages**. This mechanism is a scaling operation to reduce the image size of all **Web page** elements to fit within the horizontal dimension of a television-formatted display. Since it is...

...the scaling factor is based only upon the amount of scaling necessary to fit the **Web page** within the horizontal borders of a television display. The value of the scaling factor will...

...scrolling.

In one embodiment, the scaling operation is performed in the client 1 by the **Web browser**. In another embodiment, the scaling is performed in the server 5, which functions as a...

...coordinates are then transmitted over the network connection 29 (step 1004) to the server system.

Web Page by Address

The application software 31 also provides a means by which the user can access a given **Web page** directly when the user knows the **URL** of that **Web page**. Using remote control 11, the user accesses this feature by pressing an appropriate button, such...by the client system and displayed in window 122. Once the user enters the complete **URL**, the **URL** can be transmitted by selecting the "Return" key and then pressing "Enter" button 19. In response the client system will transmit the **URL** over network connection 29 in order to access the corresponding **Web page**.

Of course, a conventional keyboard (for example, a battery-powered IR keyboard) can be used...

...may directly enter text without the need to display a keyboard image on screen.

Revisiting Web Sites

Prior art **Web browsers** have certain limitations in the way they provide the "Forward" and "Back" functions, as described...

...of the Invention"). In particular, analogizing Web browsing to moving through a tree hierarchy of **Web pages**, there is often ambiguity in the prior art when moving down one level (**Web page**) in the tree hierarchy to a level that was already visited, since there may be many branches (**hypertext links**) from each level. Further, if the user wishes to return to where he was after...

...described ambiguity and providing additional functionality.

The application software 31 maintains a history of the **Web sites** visited, including the associated logical address (e.g., **URL**) of each **site**, in order to allow the user to revisit **Web sites**. When the user presses Recent button 4, this saved information is retrieved, and a "Recent" display is generated including visual representations of several of the most recently visited **Web sites**, regardless of their positions in the tree hierarchy. The "Recent" display therefore represents a sequential history of **Web sites** recently visited prior to the current **Web site**.

Figure 12 illustrates an example of a "Recent" display. The "Recent"

' display includes a number...

...column format. The images 141-149 are scaled-down images of the most recently visited **Web pages**. The user can press the directional buttons 15-18 to select one of the recent **Web sites** (the selected **site** being indicated by highlighting 118) and then press the Enter button 19 to return directly to the selected **site**. Note that the user can also directly return to the WebTV(TM) **home page** by selecting and entering image 141. The title of each represented **Web page** is also displayed with its associated image to allow the user to more easily identify the page. Hence, each time an HTML document representing a **Web page** is received, the title of the **Web page**, as specified in the HTML document, is saved as part of the historical information for...

...the user presses the Back button 36, the user is taken to the previously-visited **Web page** in reverse chronological order. That is, each time the Back button 36 is pressed, the...

...taken up one level in the tree hierarchy. The application software 31 automatically causes the **URL** of that **site** to be invoked. In addition, the application software 31 also saves the selection that was entered by the user (using Enter button 19) at each **Web site**. Therefore, as each **Web site** is revisited in response to the Back button 36, the selectable that the user entered when he previously visited that **site** is automatically highlighted as the current selection. Hence, the user only needs to press the...

...down the tree hierarchy). This feature allows the user to maintain his context for each **Web page**, which may be several screens long. In addition, if that selectable is a server-side...

...located when the user pressed the Enter button 19.

As the user returns to each **Web page** moving forward, the selectable he previously chose at that page is automatically highlighted, as was...

...The present invention provides a function by which the user can quickly access his favorite **Web sites**. In particular, the user may save any **Web page** he visits as a "Favorite". In addition, in one embodiment; the WebTV(TM) client 1...

...the WebTV(TM) server 5 supplements the user-specified Favorites with a list of the **Web sites** most frequently visited by the user. The user can then select a "Favorites" menu item on the WebTV(TM) **home page** to see a representation of his favorite **Web sites**.

Selection of the "Favorites" menu item causes the user's favorite **Web sites** to be displayed in a form similar ...display (see Figure 12). That is, the "Favorites" display includes scaled-down images of various **Web pages** along with the title of each **Web page**. As with the Recent display, the user can directly access any **Web site** represented in the "Favorites" display by selecting one of the scaled-down images using the...

...display to be scrolled up or down, respectively, to display undisplayed portions of the current **Web page**. The display is generally scrolled by approximately one entire screen. However, the amount of scrolling...

...received audio information is provided to the television set via an audio channel of video link 6. The WebTV(TM) network services provide MIDI audio information to the WebTV(TM) box...

...music to be played to the user while the user is either downloading or viewing **Web pages**. That is, MIDI sound information for generating background music is downloaded "on the fly" while views of other **Web pages** are downloaded, so that the user is provided with a continuous stream of music. In...

...being played to the user.

In one embodiment, the background music is suspended whenever a **Web page** has its own music, such that the background music associated with

the **Web page** is played instead. Once the user leaves that **Web page**, the background music provided by the WebTV(TM) network services is resumed.

In addition, the...

...CLAIMS objects to be displayed on the display device, each of the hypertext objects representing a **link** to information stored on one of the server systems;
receiving a first user input from...anchors, to be displayed on the display device, each of the hypertext anchors representing a **link** to another portion of WWW content stored on one of the server systems;
receiving a...

...server systems, wherein the image map corresponds to at least one hypertext object having a **uniform resource locator (URL)** that is stored in one of the remote server systems and not in the client...

...input to one of the server systems in order to access information associated with the **URL**.

30. A method according to claim 29, further comprising the steps of:
scaling the image...objects to be displayed on the display device, each of the hypertext objects representing a **link** to information stored on one of the server systems;
receiving a first user input from...

...hypertext objects, wherein each of the hypertext objects included in the image map has a **uniform resource locator (URL)** stored within the client system; the method steps further comprising the steps of:
identifying the...steps of:
receiving a third user input directed to the selected hypertext object;
transmitting the **URL** of the selected hypertext object to one of the server systems;
receiving information associated with the **URL** of the selected hypertext object in response to the step of transmitting; and
causing the...

...claim 46, wherein the image map corresponds to at least one hypertext object having a **uniform resource locator (URL)** that is stored in one of the server systems and not in the client system...

...input to one of the server systems in order to access information associated with the **URL**.

50. A program storage device according to claim 49, the method steps further comprising the...

...anchors to be displayed on the display device, each of the hypertext anchors representing a **link** to another portion of WWW content stored on one of the server systems;
means for...

...of hypertext anchors displayed on the display device, each of the hypertext anchors representing a **link** to information stored on one of the server processing systems; the remote input device comprising:
means for transmitting a first user input to the client processing system using a **communication link**, the first user input for unselecting a first hypertext anchor and selecting a second hypertext...

...means for transmitting a second user input to the client processing system using the **communication link**, the second user input for causing the client processing system to access information associated with...

...Wide Web (WWW).

56. A remote input device according to claim 54, wherein the **communication link** is an **infrared link**.

57. A remote input device according to claim 54, wherein the communication link is a radio frequency (RF) link .
58. In a client-server system including a client in communication with at least one...and a display device, the client system for accessing a plurality of World Wide Web ("Web ") pages in response to user commands, a method of accessing one of the Web pages , the method comprising:
maintaining information corresponding to a plurality of Web pages recently accessed from the client system, the information identifying the recently accessed Web pages and indicating an order in which the recently accessed Web pages were accessed from the client system;
causing representations of the recently accessed Web pages most-recently accessed from the client system to be displayed on the display device based...
...representations; and
in response to the user input, re-accessing one of the recently accessed Web pages corresponding to the representation specified by the user input.
65. A method according to claim...
- ...method according to claim 64, wherein the step of causing representations of the recently accessed Web pages most-recently accessed from the client system to be displayed on the display device comprises...
- ...displayed on the display device, wherein each image includes a scaled-down version of a Web page .
68. In a client system in communication with at least one server system, the client...
- ...Wide Web ("Web") in response to commands from a user, a method of accessing a Web page , the method comprising:
maintaining information corresponding to a plurality of Web pages ;
causing images of the plurality of Web pages to be displayed on the display device based on the information, wherein each image includes a reduced-size version of one of the plurality of Web pages ;
accepting a selection user input specifying one of the images; and
in response to the selection user input, accessing one of the Web pages corresponding to the image specified by the user input.
69. A method according to claim 68, wherein step of maintaining information corresponding to a plurality of Web pages comprises storing an address and a title for each of the plurality of Web pages .
70. A method according to claim 68, further comprising the step of inputting a designation user input, the designation user input specifying one of the plurality of Web pages , the designation user input further for causing information corresponding to said one of the plurality of Web pages to be maintained.
71. A method according to claim 68, wherein the Web pages are bookmarks specified by the user.
72. A method according to claim 68, wherein the step of maintaining information corresponding to a plurality of Web pages comprises the step of maintaining information corresponding to Web pages previously browsed by the user.
73. A method according to claim 68, wherein the step...

14/3,K/10 (Item 10 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 1998 EUROPEAN PATENT OFFICE. All rts. reserv.

00887462

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

Automatic updating of diverse software products on multiple client computer system

Automatische Aktualisierung von verschiedenen Softwareprodukten in

Mehr-Client-Rechnersystemen

Mise a jour automatique de produits logiciels divers dans des systemes ordinateurs a clients multiples

PATENT ASSIGNEE:

Cyber Media, Incorporated, (2325690), 3000 Ocean Park Boulevard, Suite 2001, Santa Monica, CA 90405, (US), (applicant designated states: AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

Cheng, William, 406 N. Alhambra Road, San Gabriel, CA. 91775, (US)
Hwang, Kenneth, 11733 Kiowa Avenue, No. 101, Los Angeles, CA. 90049, (US)
Kannan, Ravi, 660 Veteran Avenue, Apartment No.111, Los Angeles, CA. 90024, (US)
Katchapalayam, Babu, 11826 Kiowa Avenue, No. 101, Los Angeles, CA. 90049, (US)
Liu, Bing, 1016 S. Second Street, Alhambra, CA. 91801, (US)
Narasimhan, Balaji, 5870 Green Valley Circle, No. 207, Culver City, CA. 90230, (US)
Ramanujam, Gopal, 3640 South Sepulveda Blvd., Apartment No.136, Los Angeles, CA 90034, (US)
Tran, Jonathan, 1842 Marguerita Avenue, Alhambra, CA. 91803, (US)

LEGAL REPRESENTATIVE:

Liesegang, Roland, Dr.-Ing. et al (7741), FORRESTER & BOEHMERT
Franz-Joseph-Strasse 38, 80801 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 811942 A2 971210 (Basic)

APPLICATION (CC, No, Date): EP 97109222 970606;

PRIORITY (CC, No, Date): US 660488 960607

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: G06F-017/60;

ABSTRACT WORD COUNT: 260

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9712W1	1854
SPEC A	(English)	9712W1	13371
Total word count - document A			15225
Total word count - document B			0
Total word count - documents A + B			15225

****ORDER fax of complete patent from KR SourceOne. See HELP ORDER348****

...ABSTRACT client computer determines that software products stored thereon, and using this information, determines from the **database**, which **products** have updates available, based on **product name** and release information for the installed products. The user selects updates for installation. The selected...

...SPECIFICATION which of the many software products there are updates available.

For example, some vendors maintain **sites** on the World Wide Web, or electronic bulletin boards (BBS's) that include information about current updates and products, and enable a user to download such updates. However, such **sites** are obviously dedicated to a single software vendor, and provide information only about that software...

...have to search the Internet, and possibly online services, to determine which vendors have such **sites**. The user would likely to have visit each of these **sites** individually and determine what software updates are available from each of them. Similarly, even though...

...or search engines on the Internet, such as Excite, Yahoo, Lycos, or Infoseek merely provide **links** to software vendor **sites**, but do not generally attempt to systematically determine which software updates are available, and provide...The network location provided in the software update information is specified by one or more **universal resource locators** (URL). Thus, the update database does not store the software updates themselves, but information that is...

...corrupted, for example by computer viruses.

The service provider periodically updates the update database, monitoring **URL** information to ensure that it correctly identifies the location of software updates, identifies new software...

...promotional information for various software products in addition to the software update information. The promotional **information** includes **product** literature, advertising literature, technical **information**, **product** demonstration software and the like. This information is categorized into a number of product categories...

...the client computer the product categories of the software products therein, and then selects promotional **information** from certain **product** categories, and retrieves this promotional information from the network location information associated with it. This...to their software products. These updates are then downloaded from the software vendor's Internet **sites**, and one or more network locations (**URL**) are identified for obtaining the download. The downloaded software update is then installed on one...

...or update, and use the client application to download and install the software update or **product**.

BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 is an illustration of a system for providing software updates ...

...operation of the install monitor.

Figure 12 is a flowchart of the operation of the **URL** monitor.

Figure 13 is an illustration of a user interface for registering a software update...

...Each software vendor computer 103 coupled to the service provider computer 102 stores software update **information**, software **products**, **information** files, and the like. The software update information includes applications, binary files, text files, and the like, for updating software products installed on client computers 101, and advertising or other **information** about such **products** useful to users for evaluating potential software for updating. Other types of information useful to...Files, such as executables, binaries, and text files are identified within the various computers by **universal resource locators (URLs)** as known in the art.

Overall System Operation

Referring now to Figure 2, there is...

...additional information by selecting a name or remark of a particular software product. The selected **product name** and remark is highlighted, as shown in Figure 4, and the information about the software ...

...provider computer 101, or obtained directly from the software vendor computers 103 as needed using **URLs** associated with such information. The user may limit the list to only those software products...the like. This downloading may be directly from the software vendor computer 103, using the **URL** data stored in the service provider computer 102 for the location of the software update...a update database 709, a user profile database 711, a reporting tools module 713, a **URL** monitor module 715, an advertising/information database 717, and an activity log 718. The update...

...below.

Update Database

The update database 709 maintains information identifying a large number of software **products**, **information** about the software updates that are available from the diverse software product vendors for these software **products**, **information** for identifying software products

' installed on a client computer 101, and for uniquely distinguishing the
...

...database 709 does not itself store the software updates, but rather stores information, such as **URLs**, that allows the service provider computer 102 or the client computers 101 to directly access...

...to store the relevant files. Further, by not storing the software updates themselves, but only **links** to the software vendor computers 103, the service provider does not have to make sure that the software updates themselves are always current, but need only maintain the **link** information, which is administratively easier. In another embodiment, the software updates are stored in the...

...of a number of strings, here scan(underscore)string. Each scan(underscore)string identifies a **product name** or file name, or some other data. However, a scan(underscore)string may not uniquely...

...product locator table 803.

The product locator table 803 associates individual scan-strings 813 with a **product name** 815, instructions 816 for determining a version number or release number, and one or more constraints 814. The constraint is a rule that uniquely identifies the **product** given contextual **information** for the **product** where there are two entries having identical scan(underscore)strings. Constraints include specific directories that...

...like. If the specified information in these various locations matches the constraint values, then the **product name** associated with the constraint is the correct **product name** for the scan(underscore)string. In one embodiment, the constraint 814 is an executable procedure that retrieves information in these various locations, and determines from this **information** whether the **product name** is a match with the scan(underscore)string, according to whether the specified details of...

...updates is usefully made with the product table 805. The product table 805 associates a **product name** 815 and a particular release 818 with an update ID 819 identifying a software update...

...software update specified by the update ID 819 to the software product identified by the **product name** and release number. The latest field 821 specifies (Y/N) whether applying the software update...

...is usefully keyed by the update ID 819. For each update, there is provided a **URL** list 823 which contains **URLs** for the various **sites** that store the actual binary files for the software update, typically the software vendor computer system 103, and potentially mirror **sites**. The **URL** list 823 is comprised of a number of **URL** entries, each **URL** entry having a **URL** and a timestamp of the last time the **URL** was validated, and flag indicating whether the **URL** is valid. This allows the **URL** monitor 715 to ensure that current **URL** information is maintained in the database.

The current cost 824 of the software update is...

...field stores data associated with a description of the software update, such as describing the **product** features. The **description** is preferably a **URL** to a file on the software vendor computer system 103 that contains the description information. Again, the actual text need not be stored here, but merely a **link** to where that information is available on the network 106.

The update database 709 has...receives the scan(underscore)string and resolves 1007 the scan(underscore)string to determine a **product name** 815 and a release instruction 816 associated with it. In some cases, the scan(underscore)string does not uniquely identify a **product name** 815, but matches several **product names** of installed software products. Accordingly, for each matching entry, the system analyzer 907 obtains 1009...

...The constraint 814 of one of the entries will be satisfied and uniquely identify the **product name** .
Once the specific entry with the correct **product name** is identified, the system analyzer 907 resolves 1011 the release instruction 816 for the entry...

...release instruction 816 is preferably an executable procedure that obtains the version number from the **named software product** , and thus not merely the actual data itself. Using an executable procedure here ensures that...

...is a list 1013 of the installed software products on the client computer 101, each **product** identified by **name** and the installed version. The system analyzer 907 uses this list to query the service...

...102 determines if there is an applicable update for a software product by comparing the **product name** 815 and release information 818 to the product table 805, and obtaining the information in...

...819 against the update table 807 to obtain the record for this update, including the **URL** list 823 identifying the location of the relevant update ...record is returned to the client computer 101. The client computer 101 accesses the identified **URL** (s) and downloads the software update files, typically from the software vendor computer 103, though downloads may be from mirror **sites** , or the like. The client computer 101 further downloads (from the received **URLs**) any additional installation files, such as installation executables, and scripts. The client computer 101 also...

...the update database 709 may be used. The communications module 703 also handles login and **logout** in a conventional manner, though these functions may be incorporated into the security module 701...

...Suitable security mechanisms include VeriSign Inc.'s Digital ID Center, which incorporates the login and **logout** functions from the communications module 703.
Additionally, the security module 701 provides for verification of... form 1300 includes fields for providing the remark 1301 used in describing the update, a **URL** 1303 for the information on the software update, version **information** 1305, software **products** 1307 affected by the update, the type of update 1309, known incompatibilities 1311, filters for...

...101). In addition, the file format 1321 of the update is specified along with a **URL** 1319 for the network location of software update itself. Finally, the installation procedures 1323 are...for the first time. The registration form 1700 contains fields for the software vendor's **company name** 1701, software **product name** 1703, **product** type 1705, a method 1707 to identify the software product on the client computer 101 ...

...plug in (a product which extends the capabilities of another product such as an Internet **browser**) or an operating system file.
The method 1707 to identify the software product preferably specifies ...

...also be identified by the presence of unique directory names. As noted, in some instances, **product names** are not unique.
The version of the software product that is installed on a client...

...to identify software vendors providing updates of software products. Most software vendors will maintain Internet **sites** that indicate the presence of new software updates. For each identified software vendor, the service...

...update. Finally, the service provider creates an entry in the update database 709 including the **URL** or network location of the software

' vendor's computer system 103 storing the software update...

...applicable are specified as the products themselves are specified earlier in this section. Also, a **URL** to a brief description and a full description of the software update - the problems it...

...User Profile Database

The user profile database 711 maintains a profile for each user containing **information** about which **products** the user has shown an interest, for example by requesting notification about software updates for specific products, or about new software **products**. This **information** is then used to deliver notifications about new updates available for these products to the...

...may include the record from the update table 807 about the software update, including the **URL** data 823 used to access the software update files. The client application 104 would then...the user ID 1401 to a notification table 1417 that associates the user with selected **product names** 1419 and their current version 1421. When a software vendor or the service provider updates...

...information may be collected and analyzed without necessarily violating the privacy of the individual users.

URL Monitor

The **URL** monitor 715 compiles the list of **URLs** in the update database 709 and verifies on a periodic basis whether they have changed. This is done to ensure that the **URL** information for the software updates is always valid. Figure 12 illustrates a flowchart of the **URL** monitor 715. The **URL** monitor 715 traverses 1201 each entry in the update table 807. This may be done...

...complex approaches, such as oldest entries first, or some other fashion. For each entry, the **URL** monitor 715 obtains 1203 the **URL** entries in the **URL** list 823, each entry as noted above having a timestamp. The **URL** monitor 715 **links** 1205 to the **URL** in an attempt to connect to the identified **site** or file via the Internet.

The attempted **link** may fail, and may be repeated some number of times in order to confirm that the **URL** is actually absent or otherwise incorrect, as opposed to merely a failure of the network service provider or the like. Once it is determined 1207 that the **URL** is not present, the **URL** is marked 1209 in the update table 807 as being invalid.

If the **URL** is present, then the timestamp of the **URL** at the host **site** is checked, typically by checking the timestamp of the file associated with the **URL**, or the timestamp of the file that includes the **URL**, or whichever is later. If the timestamp at the host is newer than the timestamp...

...table 807, then it is possible that the underlying file has been changed, and the **URL** is no longer valid. Again, the **URL** is marked 1209 as being invalid. If the timestamp of the host is not newer, then the **URL** monitor 715 continues with the next **URL** in the **URL** list 823. Once all of the **URLs** in the update table 807 (or the desired number of old ones) have been processed, then the **URL** monitor 715 notifies 1213 the system administrator of the potentially invalid **URLs**. The system administrator can then verify the **URLs** and update them if necessary, resetting the valid flag as the **URLs** are updated.

Advertising & Information Database

The access that the service provider computer 102 has to...

...likely to be of interest to the user. The service provider computer 102 associates software **products** with advertising **information**, and enables this advertising information to be periodically delivered to the user.

Furthermore, the nature...

...15 illustrates an exemplary schema for the advertising and information database 717 for associating advertising **information** and software

products .

The ad table 1500 includes for each advertisement an ad number 1501, a **URL** 1503 to the advertisement or information item, and a list 1505 of categories for the...

...any number or variety of categories associated with it. The product-category table 1507 lists **products** **names** 1511, **product** IDs 1509, and again, a list 1513 of categories for the product.
If a user...

...to a specific installed product, then presumably the user would be interested in advertisements or **information** for other **products** that are categorized in the same categories as the installed product. For example, if the user requests an update to an installed copy of Myst 1.0, then this **product** **name** is matched against the **product** **name** 1511 in the product-category table 1507, and the categories 1513 for it, such as...

...category list 1505 of the ad table 1500 are matched against this category, and the **URLs** 1503 for matching entries retrieved and accessed, with the information being delivered to the user...

...Figure 15 is merely illustrative, and implementations other categorization may be used to associate advertising **information** with software **products** for delivery to users having such products installed on their computers.

Client Application Software Architecture...

...703 of the service provider computer 102, including establishing and terminating connection streams, login and **logout** functions, FTP functions, and HTTP protocol compliance. All of these functions may be implemented in a...promotional data) is already present in the cache, it is marked as new, otherwise, the **URL** of the ad (as determined from the database 717) is accessed, and the ad saved...

...CLAIMS of software vendors to a least one user computer, comprising:
maintaining a first database of **information** about software **products**
from a plurality of software vendors, the information including for each software product a network...

14/3,K/11 (Item 11 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 1998 EUROPEAN PATENT OFFICE. All rts. reserv.

00865581

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

Method of reproducing an electronically stored medical image on a light-sensitive photographic material

Verfahren zur Wiedergabe eines elektronisch gespeicherten medizinischen Bildes auf lichtempfindlichen photographischem Material

Procede de reproduction d'une image medicale memorisee electroniquement sur materiau photographique sensible a la lumiere

PATENT ASSIGNEE:

AGFA-GEVAERT naamloze vennootschap, (200390), Septestraat 27, 2640 Mortsel, (BE), (applicant designated states: DE;FR;GB)

INVENTOR:

Andriessen, Hieronymus, c/o Agfa-Gevaert N.V., IIE 3800, Septestraat 27, 2640 Mortsel, (BE)

Henderickx, Freddy, c/o Agfa-Gevaert N.V., IIE 3800, Septestraat 27, 2640 Mortsel, (BE)

PATENT (CC, No, Kind, Date): EP 794456 A1 970910 (Basic)

APPLICATION (CC, No, Date): EP 97200589 970301;

PRIORITY (CC, No, Date): EP 96200622 960307

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G03C-001/035; G03C-005/26;

ABSTRACT WORD COUNT: 277

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9709W1	1016
SPEC A	(English)	9709W1	10332
Total word count - document A			11348
Total word count - document B			0
Total word count - documents A + B			11348

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...SPECIFICATION invention concerning processing have e.g. been realized in the processing unit CURIX HT 530, **trade name product** marketed by Agfa-Gevaert.

Especially if the said laser imager MATRIX LR 3300 is linked...

14/3,K/12 (Item 12 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 1998 EUROPEAN PATENT OFFICE. All rts. reserv.

00855129

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

Internet-based spelling checker dictionary system with automatic updating
Worterbuchsystem auf Basis des Internets zur Prufung der Rechtschreibung
mit automatischer Aktualisierung

Systeme de dictionnaire base sur internet pour verification de
l'orthographe avec mise a jour automatique

PATENT ASSIGNEE:

SUN MICROSYSTEMS, INC., (1392730), 2550 Garcia Avenue, Mountain View, CA 94043, (US), (applicant designated states: DE;FR;GB;NL;SE)

INVENTOR:

Nielsen, Jakob, 38 Walnut Avenue, Atherton, California 94027, (US)

LEGAL REPRESENTATIVE:

Johnson, Terence Leslie (42961), Edward Evans & Co. Chancery House 53-64 Chancery Lane, London WC2A 1SD, (GB)

PATENT (CC, No, Kind, Date): EP 788062 A2 970806 (Basic)

APPLICATION (CC, No, Date): EP 97300455 970124;

PRIORITY (CC, No, Date): US 593613 960130

DESIGNATED STATES: DE; FR; GB; NL; SE

INTERNATIONAL PATENT CLASS: G06F-017/27;

ABSTRACT WORD COUNT: 170

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9708W1	2363
SPEC A	(English)	9708W1	6830
Total word count - document A			9193
Total word count - document B			0
Total word count - documents A + B			9193

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...SPECIFICATION word processing program produced by Frame Technology Corporation of San Jose, California, sold under the **trademark** "FRAMEMAKER(R)". This word processor gives each computer user in the network access to four...

...user that is creating or editing that document.

Finally, this word processing system provides a **Site** dictionary which is accessible to all users in the LAN at a given **site** . The **Site** dictionary generally contains technical words and words that are commonly used at the **site** , such as the **company name** and **product names** . This **Site** dictionary thus fulfills some of the dictionary-sharing objectives which are useful in a network environment. However the **Site**

dictionary in this word processor can only be altered by the user designated as the **site** administrator. If another user wishes to add, delete or change any word in the **Site** dictionary, the proposed modification must be communicated to the **site** administrator by means external to the word processing system, and all changes in the **Site** dictionary require that individual's personal attention. In this sense the **Site** dictionary is a supplemental dictionary only for the user who is the **site** administrator. Clearly it is desirable to provide a supplemental shared dictionary for word processing in...special problem in the Internet context. In a LAN environment the cost of supporting a **Site** dictionary can be borne by the organization where the LAN is installed. However, on a...system operates a client computer 103 which is also linked to the Internet 109. This **link** can have a variety of configurations. In the example shown in Figure 1, the client computer 103 is assumed to be part of a LAN and has a communication **link** 111 to a server 106, which in turn has a communication **link** 110 to an Internet service provider 105. The service provider 105 is thus the interface...

...the present invention. (The mark "JAVA", with the mixed case lettering shown above, is a **trademark** of Sun Microsystems, Inc. in the United States and foreign countries.)

The architecture of the...communication channel 111 to the web server for the vendor computer 101 with the following URL (**universal resource locator**): In this URL, "vendornamename.com" is the **Internet address** of the vendor computer 101, "cgi" (common gateway interface) and "bin" (binary) are parameters of...the Internet through "info@fv.com" and also over the World Wide Web through the URL:

These payment methods are known to persons skilled in the relevant art. Also, the dialog...out postcards or requesting that they enter information through the Internet on the vendor's **website**.

It is also desirable to encourage users to participate in providing information that is used...

14/3,K/13 (Item 13 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 1998 EUROPEAN PATENT OFFICE. All rts. reserv.

00814331

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

Information provider apparatus enabling selective playing of multimedia information by interactive input based on displayed hypertext information

Informationsanbietergerat, um selektives Spielen von Multimediainformationen durch interaktiven Input zu ermöglichen, basierend auf einer angezeigten Hypertexti

Systeme d'information pour reproduire selectivement une information multimedia par entree interactive base sur une information hypertexte affichee

PATENT ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., (1855501), 1006, Oaza Kadoma, Kadoma-shi Osaka, (JP), (applicant designated states: DE;FR;GB)

INVENTOR:

Kato, Masao, 1-26-2-101 Aizawa, Seya-ku, Yokohama, (JP)

LEGAL REPRESENTATIVE:

Leeming, John Gerard (74731), J.A. Kemp & Co., 14 South Square, Gray's Inn, London WC1R 5LX, (GB)

PATENT (CC, No, Kind, Date): EP 756420 A2 970129 (Basic)
EP 756420 A3 970205

APPLICATION (CC, No, Date): EP 96305432 960724;

PRIORITY (CC, No, Date): JP 95193257 950728; JP 96137286 960530

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04N-007/00; G06F-017/30;

ABSTRACT WORD COUNT: 162

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text Language Update Word Count

CLAIMS A	(English)	EPAB97	12727
SPEC A	(English)	EPAB97	47097
Total word count	- document A		59824
Total word count	- document B		0
Total word count	- documents A + B		59824

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...SPECIFICATION such a prior art information provider apparatus. The operation is as follows:

Step 1

The **home page** (i.e. the base page of hypertext data), which is held in the WWW data...

...by the flow diagram of Fig. 70. The operation is as follows:

Step 11

A **home page** acquisition request is generated by the information browsing section 2 and is transferred via the data communication path 4 to the WWW data service section 3. Hypertext data expressing the **home page** are then read out from the WWW data storage section 31 of the WWW data...to 39 denote respective files of monomedia data which are similarly provided. As shown, the **home page** contains hyperlinks to the hypertext pages which are named pics.html and movs.html. The...

...respectively.

In Fig. 71B, the single-record table 40 shows the format under which the **home page** data are managed, i.e. using the file name "home.html".

An example of the...

...apparatus 12 will be of the form indicated by 41 in Fig. 72, with the **home page** 41a being displayed. The item selection regions are assumed to be indicated by underlining the...

...referred to as a "button".

Similarly, if the user selects the "video set" from the **home page** 41a at display screen 41, then the display screen designated by numeral 44 will be...

...browsing control section 21 may use a WWW data display program such as the NCSA **Mosaic** (a registered **trademark** of NCSA, which is the National Center for Super Computing Applications, University of Illinois, U.S.A), or **Netscape** (a registered **trademark** of **Netscape** Communications Co., U.S.A). The monomedia data playing section 23 may use the "mpeg...3: The WWW data management section 32 may use the daemon process "httpd" (a registered **trademark** of the aforementioned NCSA, and of CERN, the European Particle Physics Laboratory).

Data communication path...

...to reduce this problem, with respect to still picture (graphics) data, is provided by the **Netscape browser** program (developed by **Netscape** Communications Co., U.S.A.) for WWW data communication. When that program is utilized by...board page, while in addition being distributed to specific remote destinations (i.e. specific other **sites** of a wide-area network) to be posted;

Fig. 74 is a system block diagram...

...76 is a diagram for illustrating the process of distribution of a hypervideo message between **sites** of a wide-area network;

Fig. 77 shows an example of the format of detection...

...block diagram for illustrating a condition in which hypervideo message data cannot be transferred between **sites** of a wide-area network by using a file transfer protocol (FTP), due to absence...block diagram for illustrating a condition in which hypervideo message data cannot be transferred between **sites** of a wide-area network by using a file transfer protocol (FTP), due to use...130, the data communication path 140 further includes a NFS (Network File System, a registered **trade**

mark of Sun Microsystems Inc., U.S.A.) communication system 142, i.e. a data communication...example. The processing steps are as follows:

Step 21: A request for transfer of the **home page** is sent by the browsing control section 121 via the data communication path 140, using ...section 151 of the hypervideo data service section 150. In Fig. 7, 204 is a **home page** of hypertext data, 205, 206 and 207 denote respective page units of hypertext data which are connected by hyperlinks to the **home page** 204, while 208 to 213 denote respective monomedia data files which are connected by hyperlinks...112 will become as indicated by numeral 216 in Fig. 9, i.e. containing the **home page** 216a, in which hyperlink items are displayed in underlined form, together with text contents of the **home page**. In this example, the user can select either monomedia data items (i.e. the set...

...other hand the user selects the static picture set or the video set, from the **home page** hyperlink items, then the operation will proceed as described hereinabove for the prior art apparatus...

...data which constitute the hypervideo data. That is to say, rather than attempting to directly **link** the hypervideo data to the conventional hypertext data, hyperlinks are established from hypertext data (such...it may be preferable to use a data communication program such as VideoShower (a registered **trademark** of Matsushita Electric Industrial Co. Ltd., Japan), which enables video data to be read out...In Fig. 12, 304 to 307 denote respective hypertext data pages, with 304 denoting the **home page**, and 308 to 313 denote respective monomedia data files. The monomedia data files 312 and...terminal. In that way, each of the client terminals C1 to C2 can display a **home page** which is specific to that client terminal, i.e. so that a user of one...selects the set of hypervideo clips, i.e. the hyperlink item "mvs.html" from the **home page**, then WWW data expressing a menu page (i.e. the menu page "mvs.html" in...of catalog information relating to commercial products, with the original hypervideo data representing user manual **information** for the **products**. It can thus be understood that this embodiment has a wide range of possible applications...

...WWW data service section 130, with each of these being connected by hyperlink to the **home page** (described hereinabove with respect to the first embodiment). In that way, a user of the I/O section 110 can select a specific notice board page (from the **home page**), and can then select a desired hypervideo message to be played by the display apparatus ...shown in Fig. 30, the (new.html) notice board page "New Products Guide" has a **link** to one hypervideo message, with the theme of that message being "Pocket-size phone". After...via the Internet, it may be necessary for the hypervideo mail item to also include **Internet address** information relating to that user.

Fig. 59 shows the internal configuration of the hypervideo mail will also specify an **Internet address**), then obtains, from the mail server/client information table memory section 196, path information which...

...the name information of the destined user (which in this case will also specify an **Internet address**), then obtains, from the mail server/client information table memory section 196, path information which...

...can be basically similar to that described for the fifteenth embodiment, but must also include **Internet address** information for the destined user.

Step S3: The hypervideo mail processing section 1195 of mail...the name information of the destined user (which in this case will also specify an **Internet address**), then obtains, from the mail server/client information table memory section 196, path information which...the temporary mail storage section 198, and examines the data to obtain the name information (**Internet address**) of the destined user, then obtains, from the mail server/client information table memory section...the invention described hereinabove referring to Figs. 57 to 62 (i.e. such as "net sites" which are interconnected by the Internet), whereby a message that is posted on a notice...

...to be distributed to each of a predetermined set of remote destinations (i.e. other **sites** , of a wide-area network), then the message is transmitted to each of these destinations...

...that message is to be distributed to remote destinations, i.e. to one or more **sites** of a wide-area network (server computers of other LANs),

(c) if so, to transmit...processing section 160 of the server computer A, with the message specifying the notice board **name** "New Products Guide" and the message theme being "29-inch Wide-Screen TV". As a result, when...distributed, by finding the names of the server computers which correspond to the notice board **name** ""New Products Guide"".

Step 3: Generate a header file for the distribution file group of this message...

...be be configured in accordance with the anticipated frequency of posting of messages at that **site** , so as to ensure that none of the server computers of the wide-area network...find the names (B, C) of the server computers which correspond to the notice board **name** ""New Products Guide"".

Step 3: Based on the detection result data, refer to the storage position information...upon the such factors as the anticipated type of utilization of client terminals of each **site** (i.e. the expected frequency of posting messages from the client terminals, or frequency of ...

...messages that are distributed, etc.). Generally speaking, if it is anticipated that message interchange between **sites** will be performed mainly on a two-way conversational basis, then the form of the...

...in which a specific server computer will mainly be used to distribute messages to other **sites** , then the form of the twenty-first embodiment is to be preferred.

A twenty-second...execution section 2192 can readily be implemented, for example by using the UNIX (a registered **trade mark** of UNIX System Laboratories Inc.) "cron facility, if the server computer uses the UNIX operating...

...Agent" facility of the Windows 95 operating system can be utilized. "Windows" is a registered **trade mark** of Microsoft Corp., U.S.A.

With this embodiment, in addition to the advantage of...

...preceding embodiment with respect to the speed with which a newly posted message at one **site** of the wide-area network is made available to users of other **sites** . However it would be possible to modify this embodiment, such as to ensure that when...

...way, the message theme" is made available to the users of client terminals of that **site** , to indicate that this message will be distributed. In that case it could for example be arranged that file transfer and posting of the message at that **site** are executed (prior to the next scheduled time for posting of messages) if so requested...

...for executing data transfer using the SMTP, such as the Unix "Sendmail" program (a registered **trade name** of Sun Microsystems Corp., U.S.A.). To use such a program it is necessary...the names (B, C) of distribution destination server computers which correspond to the notice board **name** ""New Products Guide"".

Step 3: Generate message header file (containing notice board **name** ""New Products Guide"" and message theme "29-inch Wide-Screen TV"), based on detection result data.

Step...find the names (B, C) of the distribution server computers corresponding to the notice board **name** ""New Products Guide"" which is specified in the detection result data.

Step 3: Based on the detection...

(c) 1998 EUROPEAN PATENT OFFICE. All rts. reserv.

00739525

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

Multimedia service access apparatus and method
Multimedien Dienstzugangsvorrichtung und Verfahren
Appareil et methode d'accès a un service multimedia
PATENT ASSIGNEE:

AT&T Corp., (589370), 32 Avenue of the Americas, New York, NY 10013-2412,
(US), (applicant designated states: DE;FR;GB)

INVENTOR:

Wellner, Pierre David, 82 Kings Highway, Middletown, New Jersey 07748,
(US)

LEGAL REPRESENTATIVE:

Johnston, Kenneth Graham et al (32381), AT&T (UK) Ltd. 5 Mornington Road,
Woodford Green Essex, IG8 OTU, (GB)

PATENT (CC, No, Kind, Date): EP 697793 A2 960221 (Basic)
EP 697793 A3 961218

APPLICATION (CC, No, Date): EP 95305420 950802;

PRIORITY (CC, No, Date): US 290663 940815

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04N-007/15; H04N-007/173;

ABSTRACT WORD COUNT: 148

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	882
SPEC A	(English)	EPAB96	3271
Total word count - document A			4153
Total word count - document B			0
Total word count - documents A + B			4153

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...SPECIFICATION the invention, the scanner means may communicate to the interface means over an infra-red **link** , a radio **link** , or over a wired connection. The scanner means may read marks such as bar codes...

...on June 8, 1993, describes an automated order and payment system which uses a ScanFone (**trademark** of U.S. Order). The ScanFone is a telephone with an attached credit card reader...

...a user scans the printed ID with the scanner or pen (11), and the movie, **product information** or game immediately starts to play. A variety of catalogs can be published (by the...

...wire pair (e.g., see scanner pen 11 and wire path 18), an infra-red **link** , or a radio **link** 12.

An illustrative scanner pen 11 is shown in FIG. 4 to include a scanning 401 over radio **link** 12. Optionally, the scanner pen 11 may include a controller/interpreter which decodes the unprocessed...

...head 401 into a more compact or standardized code or format for communication over radio **link** 12. Switch 406 enables the user to turn on and turn off scanner pen 11...ITV network 18. These codes could work in a similar way as the well-known **Universal Resource Locator (URL)** identifiers in NCSA **Mosaic** (Internet client access software for World Wide Web), only they would be read from paper...the information that a person browsed through in the ad could be valuable for the **company** 's future **marketing** efforts.

Courses and textbooks

Multimedia lectures could be tied to paper-based textbooks. Extensive reading...

...of a lecture or specific demonstrations they are interested in. These bar codes could also **link** the textbook to live discussion groups with

' other students or to line interactions with professors...

14/3,K/15 (Item 15 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 1998 EUROPEAN PATENT OFFICE. All rts. reserv.

00718509

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

Material and method for printing radiological images.

Material und Verfahren zum Herstellen von Abzugen radiologischer Bilder.

Materiau et methode pour tirer des images radiologiques.

PATENT ASSIGNEE:

AGFA-GEVAERT naamloze vennootschap, (200390), Septestraat 27, B-2640

Mortsel, (BE), (applicant designated states: BE;DE;FR;GB;NL)

INVENTOR:

Goedeweeck, Rudi, c/o Agfa-Gevaert N.V., DIE 3800, Septestraat 27, B-2640

Mortsel, (BE)

Kempenaers, Peter, c/o Agfa-Gevaert N.V., DIE 3800, Septestraat 27,

B-2640 Mortsel, (BE)

PATENT (CC, No, Kind, Date): EP 679937 A2 951102 (Basic)

EP 679937 A3 971008

APPLICATION (CC, No, Date): EP 95200546 950307;

PRIORITY (CC, No, Date): EP 94201025 940414

DESIGNATED STATES: BE; DE; FR; GB; NL

INTERNATIONAL PATENT CLASS: G03C-001/30; G03C-001/795; G03C-001/95;

G03C-001/46; G03C-005/16; H04N-001/407;

ABSTRACT WORD COUNT: 125

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
----------------	----------	--------	------------

CLAIMS A	(English)	EPAB95	681
----------	-----------	--------	-----

SPEC A	(English)	EPAB95	7756
--------	-----------	--------	------

Total word count - document A	8437
-------------------------------	------

Total word count - document B	0
-------------------------------	---

Total word count - documents A + B	8437
------------------------------------	------

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...SPECIFICATION invention concerning processing have e.g. been realized in the processing unit CURIX HT 530, **trade name product** marketed by Agfa-Gevaert.

Especially if the said laser imager MATRIX LR 3300 is linked...

14/3,K/16 (Item 16 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 1998 EUROPEAN PATENT OFFICE. All rts. reserv.

00626037

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

Silver halide light-sensitive photographic material for use as a laser recorded medical hardcopy material and method of processing

Photographisches, lichtempfindliches Silberhalogenidmaterial zur Wiedergabe von medizinischen laseraufgezeichneten Bildern und Verfahren zur Verarbeitung

Materiau photographique sensible a la lumiere, a base d'halogenure d'argent, pour la restitution d'images medicales enregistrees par laser et methode de traitem

PATENT ASSIGNEE:

AGFA-GEVAERT naamloze vennootschap, (200390), Septestraat 27, B-2640

Mortsel, (BE), (applicant designated states: BE;DE;FR;GB;NL)

INVENTOR:

Goedeweeck, Rudi August,, c/o Agfa-Gevaert N.V., DIE 3800, Septestraat 27,, B-2640 Mortsel, (BE)

PATENT (CC, No, Kind, Date): EP 610608 A1 940817 (Basic)

EP 610608 B1 960911

APPLICATION (CC, No, Date): EP 93200382 930212;
PRIORITY (CC, No, Date): EP 93200382 930212
DESIGNATED STATES: BE; DE; FR; GB; NL
INTERNATIONAL PATENT CLASS: G03C-001/30;
ABSTRACT WORD COUNT: 63

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	365
CLAIMS B	(English)	EPAB96	305
CLAIMS B	(German)	EPAB96	266
CLAIMS B	(French)	EPAB96	362
SPEC A	(English)	EPABF2	5893
SPEC B	(English)	EPAB96	6073
Total word count - document A			6259
Total word count - document B			7006
Total word count - documents A + B			13265

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...SPECIFICATION invention concerning processing have e.g. been realized in the processing unit CURIX HT 530, **trade name product** marketed by Agfa-Gevaert.

Especially if the said laser imager MATRIX LR 3300 is linked...

...SPECIFICATION invention concerning processing have e.g. been realized in the processing unit CURIX HT 530, **trade name product** marketed by Agfa-Gevaert.

Especially if the said laser imager MATRIX LR 3300 is linked...

14/3,K/17 (Item 17 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 1998 EUROPEAN PATENT OFFICE. All rts. reserv.

00499708

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

AN ARTICLE HAVING A HIGH FRICTION SURFACE, AN APPARATUS AND A METHOD FOR PRODUCING SAID ARTICLE

ARTIKEL MIT EINER REIBUNGSOBERFLACHE, APPARAT UND VERFAHREN ZUR HERSTELLUNG VON EINEM SOLCHEN ARTIKEL

ARTICLE A SURFACE DE FRICTION ELEVEE, APPAREIL ET PROCEDE DE PRODUCTION DUDIT ARTICLE

PATENT ASSIGNEE:

NEFF, Charles, (1387990), 406 Ripple Creek, Houston, Texas 77024, (US),
(applicant designated states: BE;DE;ES;FR;GB)

INVENTOR:

NEFF, Charles, 384 McKinley, Grosse Pointe, MI 48236, (US)

LEGAL REPRESENTATIVE:

Hoeger, Stellrecht & Partner (100381), Uhlandstrasse 14 c, 70182
Stuttgart, (DE)

PATENT (CC, No, Kind, Date): EP 506827 A1 921007 (Basic)
EP 506827 B1 960612
WO 9108864 910627

APPLICATION (CC, No, Date): EP 91902039 901220; WO 90US7587 901220

PRIORITY (CC, No, Date): US 453684 891220

DESIGNATED STATES: BE; DE; ES; FR; GB

INTERNATIONAL PATENT CLASS: B24D-003/08; B24D-017/00; B24D-018/00;
C09K-003/14;

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPAB96	1513
CLAIMS B	(German)	EPAB96	1566
CLAIMS B	(French)	EPAB96	1811
SPEC B	(English)	EPAB96	5231
Total word count - document A			0

Total word count - document B 10121
Total word count - documents A + B 10121

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...SPECIFICATION planar magnetized base surface with protrusions formed thereon to form a dotted or patchwork or **mosaic** surface. The protrusions may be machined into the surface or applied to the surface in...

...the external surface of each tool. Therefore, resources may be applied to create an optimum **mosaic** or pattern of protrusions (verses the random pattern used in the Oliver technique) which will then create respectively positioned magnetic fields. A **mosaic** may be selected to address performance parameters ranging from material removal effectiveness to surface finish...

...particles are influenced by magnetic flux acting along a flux axis generally transverse to the **mosaic** surface, which is aligned with gravitational forces. Consequently, the complications and irregularities that are encountered...

...using magnetic flux having a flux axis which is generally perpendicular or normal to the **mosaic** surface. If a neutral or positive rake angle is desired, stacks may be prepared by using a magnetic flux axis which is adjustable and determinable relative to the **mosaic** surface whereby the stack axis will have a predetermined rake angle relative to the surface...including a base, a plurality of magnetizable protrusions extending from the base to define a **mosaic** surface and a release film covering the **mosaic** surface for releasing the particles and matrix from the **mosaic** surface. Another embodiment contemplates an apparatus including a plurality of magnetizable protrusion members, a base for supporting the protrusion members to define a **mosaic** surface, a magnetic flux provided along a path through the protrusion members, a matrix of...

...being at least partially encapsulated within the binding structure and a release film covering the **mosaic** surface for supporting the matrix and for providing a release mechanism for releasing the matrix from the **mosaic** surface. Another embodiment contemplates an apparatus including a plurality of magnetizable protrusion members having a...added after the braze cement. A water based cement consisting of one part Microbraze Cement **Type S**, a trademark of Wall Colmonoy Corporation, and two parts water is preferred.

Braze paste 26 is then...

...CLAIMS plurality of magnetizable protrusion means (16) extending from said base means (14) to define a **mosaic** surface, said fixture being characterized by release means (18) covering said **mosaic** surface.

15. The fixture of claim 14 wherein said **mosaic** surface is generally planar.

16. The fixture of claim 14 wherein said base means (14)...

...means (12, 40) for generating magnetic flux along a flux path generally transverse to said **mosaic** surface.

20. The fixture of claim 19 wherein said flux path is generally perpendicular to said **mosaic** surface.

21. The fixture of claim 19 wherein said flux generating means (12, 40) are designed so that magnetizable particles (32) applied to said **mosaic** surface become oriented in stacks (24) having axes transverse to said surface, said stacks having...

...40) are designed so that the flux path is adjustable and determinable relative to said **mosaic** surface so that stacks of magnetizable particles (32) applied to said **mosaic** surface have stack axes having a predetermined rake angle (X,Y,Z) relative to said **mosaic** surface.

23. The fixture of claim 14 wherein said **mosaic** surface has nonmagnetic areas interspersed between said magnetizable protrusion means (16).
24. The fixture of...

14/3,K/18 (Item 18 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 1998 EUROPEAN PATENT OFFICE. All rts. reserv.

00481036

****ORDER fax of complete patent from KR SourceOne. See HELP ORDER348****

DNA encoding a major mite allergen and the use thereof.

Fur ein Milben-Hauptallergen kodierende DNS und deren Verwendung.

ADN codant un allergene principal d'ararien et son utilisation.

PATENT ASSIGNEE:

ASAHI BREWERIES, LTD., (947071), 7-1, Kyobashi 3-chome Chuoh-ku, Tokyo 104, (JP), (applicant designated states:

AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;LU;NL;SE)

TORII & CO., LTD., (445552), 4-1, Nihonbashihoncho 3-chome, Chuoh-ku, Tokyo 103, (JP), (applicant designated states:

AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;LU;NL;SE)

INVENTOR:

Yuuki, Toshifumi, Asahi Breweries, Ltd., Oyogijutsu kenkyusho-nai, 13-1, Ohmorikita 2-chome, Ohta-ku, Tokyo, (JP)

Okumura, Yasushi, Asahi Breweries, Ltd., Oyogijutsu kenkyusho-nai, 13-1, Ohmorikita 2-chome, Ohta-ku, Tokyo, (JP)

Yamakawa, Hiroshi, 16-101, Irifune 2-chome, Urayasu-shi, Chiba-ken, (JP)

LEGAL REPRESENTATIVE:

Ackroyd, Robert et al (52395), W.P. THOMPSON & CO. Eastcheap House Central Approach, Letchworth, Hertfordshire SG6 3DS, (GB)

PATENT (CC, No, Kind, Date): EP 445971 A1 910911 (Basic)

APPLICATION (CC, No, Date): EP 91301669 910228;

PRIORITY (CC, No, Date): JP 9050848 900303

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: C12N-015/12; A61K-039/35; A61K-037/02;

ABSTRACT WORD COUNT: 34

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	802
SPEC A	(English)	EPABF1	3149
Total word count - document A			3951
Total word count - document B			0
Total word count - documents A + B			3951

****ORDER fax of complete patent from KR SourceOne. See HELP ORDER348****

...SPECIFICATION edited by D. M. Glover). A commercially available kit for making cDNA (manufactured by Amersham Company, trade name : RPN. 1256Y) may be also used. The resulting double-stranded cDNA is inserted into a cloning site of a suitable vector, preferably, plasmid pUEX1 (Bressan G. and Stanley K., Nucl. Acids Res...

14/3,K/19 (Item 19 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 1998 EUROPEAN PATENT OFFICE. All rts. reserv.

00349041

****ORDER fax of complete patent from KR SourceOne. See HELP ORDER348****

Thrombin-binding substance and process for preparing the same.

Thrombin bindende Substanz und Verfahren zu ihrer Herstellung.

Substance liante de thrombine et procede pour sa preparation.

PATENT ASSIGNEE:

KOWA COMPANY, LTD., (410431), 6-29, 3-chome Nishiki, Naka-ku Nagoya-shi Aichi-ken, (JP), (applicant designated states:

AT;BE;CH;DE;ES;FR;GB;IT;LI;NL;SE)

INVENTOR:

Aoki, Nobuo, 4-20-2-304, Hongo Bunkyo-ku, Tokyo, (JP)

Kimura, Shigeru, 3-59-10, Nangai, Higashiyamato-shi Tokyo, (JP)

Shiratsuchi, Masami, 4-43-2 Zanbori, Musashimurayama-shi Tokyo, (JP)

LEGAL REPRESENTATIVE:

Wachtershauser, Gunter, Dr. (12711), Tal 29, D-80331 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 356836 A2 900307 (Basic)

EP 356836 A3 900328

EP 356836 B1 940511

APPLICATION (CC, No, Date): EP 89115272 890818;

PRIORITY (CC, No, Date): JP 88214139 880829; JP 89116471 890510; JP

89202027 890803

DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; IT; LI; NL; SE

INTERNATIONAL PATENT CLASS: A61K-035/22; C12P-021/00;

ABSTRACT WORD COUNT: 110

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
----------------	----------	--------	------------

CLAIMS B	(English)	EPBBF1	658
----------	-----------	--------	-----

CLAIMS B	(German)	EPBBF1	683
----------	----------	--------	-----

CLAIMS B	(French)	EPBBF1	902
----------	----------	--------	-----

SPEC B	(English)	EPBBF1	3375
--------	-----------	--------	------

Total word count - document A	0
-------------------------------	---

Total word count - document B	5618
-------------------------------	------

Total word count - documents A + B	5618
------------------------------------	------

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...SPECIFICATION ion-exchange resin for high performance liquid chromatography. Conventional methods, for example, the Laemmli's **method using SDS** -polyacrylamide gel Nature, 227, 680-685 (1970)) can be used **as a method** for electrophoresis.

Cells which can be used in the present invention may be any cells...

...calcium ion concentration to 2-10 mM causes thrombin-binding substances having a calcium-binding **site** to selectively combine with calcium and to change their structure.

Thrombin-binding substances thus prepared...

14/3,K/20 (Item 20 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 1998 EUROPEAN PATENT OFFICE. All rts. reserv.

00335709

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

Method and apparatus for linking SNA terminals to an SNA host over a packet switched communications network.

Verfahren und Vorrichtung zur Verbindung von SNA-Endgeräten mit einem SNA-Hostrechner über ein paketvermitteltes Nachrichtennetz.

Procede et dispositif pour connecter des terminaux SNA a un hote SNA au moyen d'un reseau de communication a commutation par paquets.

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road,

Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

Morten, Richard Maynard, 25524 Jonnie Court, Gaithersburg, MD 20879, (US)

McKay, Douglas Bruce, 10816 Kirkwall Terrace, Potomac, MD 20854, (US)

Marsili, Michael Philip, 4498 Jade Court, Middletown, MD 21769, (US)

LEGAL REPRESENTATIVE:

Schafer, Wolfgang, Dipl.-Ing. (62021), IBM Deutschland

Informationssysteme GmbH Patentwesen und Urheberrecht, D-70548

Stuttgart, (DE)

PATENT (CC, No, Kind, Date): EP 330835 A2 890906 (Basic)

EP 330835 A3 920401

EP 330835 B1 941214

APPLICATION (CC, No, Date): EP 89101270 890125;

PRIORITY (CC, No, Date): US 161545 880229
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: H04L-012/00; H04L-012/54;
ABSTRACT WORD COUNT: 208

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1754
CLAIMS B	(German)	EPBBF1	1534
CLAIMS B	(French)	EPBBF1	2098
SPEC B	(English)	EPBBF1	28405
Total word count - document A			0
Total word count - document B			33791
Total word count - documents A + B			33791

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...SPECIFICATION 8, 56-67 (1979). SNA provides a unified design for the functions and structure of **data** communications **products**. Prior to the introduction of SNA, teleprocessing networks had many problems: Terminals were often dedicated...

...Technical Overview, Order No. GC30-3073, available through IBM branch offices. The lowest layer, data **link** control, directly manages physical resource -- the transmission facilities that connect nodes. Successive layers provide additional...PU4, PU2, and PU1), which denotes the capabilities in the lower layers, particularly in data **link** control and path control.

PU1 - Type-1 (Terminal) Node
A terminal is a node of...

...points which operates as peers of one another. Further enhancements provide functions such as parallel **links**, transmission priority, and multiple active routes for data transmission.

Parallel **links** may be used between adjacent nodes of a network to provide additional bandwidth and backup, and these parallel **links** may be logically grouped to automatically distribute traffic across the **links** of a group. This concept also compensates for degradation resulting from errors on any of the **links** in the group, because transmission is disrupted only if the last remaining **link** in the group fails.

Network availability can also be increased by providing multiple routes between...

...traffic can be rerouted (and disrupted sessions reconnected) to avoid failing intermediate nodes or failing **links**. Multiple routes can also be useful for traffic load leveling. These capabilities gave SNA the... initial signaling is completed, each user information record not only must contain the normal data **link** controls, but in addition must contain a packet header field. Once the system determines that...Unit

CSI	Console Service Interface
DDN	Defense data Network
DDR	Direct Datagram Request
DLC	Data Link Control
DNAM	DDN Access Method
DoD	Department of Defense
DSAF	Destination Subarea Field
DSX	Distribution...

...Only Storage

Sysgen	DDN/SNA System Generation Function
SDS	Sequential Data Sets
SDLC	Synchronous Data Link Control
SNA	System Network Architecture
SNAPS	NSA Portable Software by Data Connections, Ltd.
SNAP-2	SNA PU Type 2 Secondary Product
SNAP-5	SNA PU Type 5 Primary Product

SNAP-LINK SDLC Primary and Secondary Link Level Product
SNAP-THRU SNA Inter-domain Pass-through Primary Product
SSCP System Service Control...VM host systems to address
each other and communicate over DDN, providing direct communication
between **data** base **products** .

Description of the Drawings

These and other objects, features and advantages of the invention will
be...

...VM host systems to address each other and communicate over DDN,
providing direct communication between **data** base **products** such as
Information Management System (IMS), and office system products such as
Professional Office System (PROFS) and Distributed...host.

MVS host system includes in the TCP/IP for MVS, a High-Level Data Link
Control Distant Host (HDH) interface, using a Series/1 for connecting
MVS to DDN, including...

...and IP. The Series/1 FEP provides the network access layer (X.25), the
data **link** layer (HDLC), and the physical layer.

In the host these services are provided by the...interface of the
Arpanet Control Program (ACP) which allows the DDN Internet to provide
communication **links** between a number of hosts running a relational data
base system (DB). All hosts must...known" ports (WKPs).

The client/server model fits naturally onto TCP. For example, if a
client **program** on a remote host sends a TCP connection request,
specifying a WKP on the local...

...computers. The network control facilities provided allow for the
investigation of trouble on the physical **links** connected to DDN.

There are three functional capabilities used to perform network
control. These are...subarea routing function between PU5 hosts. These
services allow for the activation of the physical **link** to the DDN IMP
and for the establishment of the appropriate ERs and VRs to...

...SNA formatted PIUs supported are:

- o Activate Physical Unit,
- o Start Data Traffic,
- o Activate **Link** ,
- o Set Control Vector,
- o Contact,
- o Contacted,
- o Inoperative,
- o Network Services Lost Subarea,
- o Explicit Route Inoperative,
- o virtual Route Inoperative,
- o Discontact,
- o Deactivate **Link** , and
- o Deactivate Physical Unit.

DDN/SNA Prototype System Example

The objectives of the DDN...

...1 EDX environment.

2. Verify the SNAPS product "port" to the 68000 SOS environment.

SNAP-LINK -- SDLC Data **Link** Control,

SNAP-2 -- SNA Physical Unit Type 2,

SNAP-5 -- SNA Physical Unit Type 5...architecture to be modelled. An
example of the Configuration Information is the quantity of serial **links**
from the S/1 to DDN.

Description of Output Results

1. An example of the...

...seconds).

Input Parameters

Number of Users: 100

Number of TS/1s: 4

Number of SDLC **Links** per TS/1: 8

Number of Request Pkts: 1

Number of Response Pkts: 5

Transaction...

...presents information on the various components of one-way packet delay:

DDN Delay: 122

SDLC **Link** Delay-Request: .227

SDLC **Link** Delay-Response: .240

DDN I/F Delay-Request: .110

DDN I/F Delay-Response .125...can have the effect of denying access to all TCP users on an X.25 **link** , in spite of the fact that TCP flow control would allow it and selected virtual...Instead, the exhaustive network address value defining the TCP connection (port) is composed of an **internet address** (host **address**) and port on TCP. By implication, it appears that the terms "host" and "TCP" are...

...if we are to offer upper level services as a common host over multiple physical **links** , passive TCP opens must be established over each such **link** to accommodate arbitrary **link** selections by the Interface Message Processor (IMP) on routing incoming active opens to that service ...

...imposed by the IMP, and are beyond our control, these flow over two different hardware **links** . Since the individual TCPs are ignorant of each others' activities, connection deadlocks can result.

These...on the FEP and/or RAF. These elements include NSA PU2, SNA PU5, SNA Data **Link** Control (DLC), SNA pass-through applications and SNA log-on and security applications. SNA primary...

...and low level designs have been completed and documented for the SNAPS PU2, PU5, and **Link** isolation layer AMODs, Personalized Modules (PMODs), HMOD, and Console Service Interface (CSI). These include AMODs...

...a MC68000 co-processor provides the PU5 System Service Control Point (SSCP) support and SNAP **LINK** on another MC68000 co-processor provides the primary Synchronous DLC (SDLC) support to the terminals...the FEP,
o A pass-through module between the PU5 DLC AMOD and the SNAP **LINK** AMOD, and
o A DLC modification to the S/I \$SNA Program Product to interface...

...SNA Host Software

A SNA PU4 node provides the following four primary functions:

o Data **Link** Control -- Provides the function needed to transmit and receive data over the 370 channel and...

...DDN.

o Path Control -- Provides the function needed to route the data between the data **link** control functions.

o Boundary Node Function -- Provides an interface to attached PU2 peripheral nodes.

o...

...estimated as twice that of the total PU4 support).

The 370 channel and DDN data **link** control functions, the path control function, and the support code for the centralized network control...

...an overview of these functions.

PU4 Channel I/O

The PU4 Channel I/O data **link** control function interfaces with the channel attached MC68000 card to communicate with one host over...

...PU4 Channel I/O function and the channel attached MC68000 card together perform the Data **Link** Control and as such respond to all channel commands as a NCP 3725 Communications Controller...

...coding has begun for this function.

PU4 DDN I/O

The DDN I/O data **link** control function interfaces with the TCP API to communicate with the remote PU4 FEPs on the DDN. The DDN I/O function and TCP API together perform the Data **Link** Control for the DDN interface. DDN Access Method (DNAM) resides in the EDX supervisor partition...down

- load new configurations, distribute password and user profiles, and retrieve dump and audit trail **information** .
- o HCF -- **Product** used to allow the network operator to enter S/I commands remotely on a FEP...Interface Message Processor (IMP) is an RS449 Type SR physical interface (ISO level 1). The **link** level protocol shall be HDLC (ISO level 2). The packet level shall be X.25...

...or more defined LU2s (windows). The RAF shall be the primary station on the SDLC **link** . The SDLC **link** to an SNA 3274 shall be point-to-point. The PCs emulating 3274 may be...Interface Message Processor (IMP) is an RS449 Type SR physical interface (ISO level 1). The **link** level protocol shall be HDLC (ISO level 2). The packet level shall be X.25...Interface Message Processor (IMP) is an RS449 Type SR physical interface (ISO level 1). The **link** level protocol shall be HDLC (ISO level 2). The packet level shall be X.25...also allows the user to build their system elements (code and tables) at one central **site** and distribute them over the network.

The system is comprised of hosts, Network Control Hosts...

...LU sessions via the DDN.

For a new Series/1 node to become operational, the **site** operator must allocate all datasets locally on the Series/1 as per instructions contained in documentation distributed with the diskettes.

The **site** operator follows a script that has instructions on:

- Creating the required EDX volumes and data...

...tapes of the DDN/SNA baseline DSX resource repository.

To install the user's MNCH **site** , programs and tables are distributed from an IBM development **site** . The MNCH is the NCH on which the user runs Sysgen, and from which all...one PU4 channel. The PU4 Channel I/O function and BCAM, together, perform the data **link** control function and as such, respond to all channel commands as a Network Control Program...

...FEPs on the DDN. The DDN I/O function and DNAM, together, perform the data **link** control function for the DDN interface. DNAM resides in one of the EDX supervisor partitions...System Wide Operator Facilities (SWOF), SNA Passthru, High Level Interface (HLI) Application Program Interface (API), **Logon** , Security/Audit, \$SNA Data **Link** Control (DLC) Interface, SNAPS to SNAPS Access Module (AMOD), HLI AMOD, DLC AMOD, Console Services Interface (CSI) Personality Module (PMOD), Transmission Control Interface (TCI) AMOD, Common AMOD, SNAP-**LINK** AMOD, SNAPS Hardware Module (HMOD), Operator Interface, Console Services, and Channel DLC.

Network Control facilities...

...within a FEP/NCF and RAF is provided by, SNAPS software (SNAP2, SNAP-5, SNAP-**LINK** , SNAP-THRU). We have ported this code to the 68000 co-processor hardware in the...

...the primary PU5 SNA support (SSCP) to downstream PU2 devices attached to the RAF. SNAP-**LINK** , with the associated SDLC HMODs, provides the DLC layer for communicating with the downstream SNA...

...and access a VTAM host and establish an SNA session with a host application. The **LOGON** program, in conjunction with the HLI interfaces to SNAP-5, provide menu-driven services to the user. These services include **logon** and password authorization via a security/audit program, and user selection of a host system and application. **Logon** establishes the connection through TCP/IP to the selected host FEP. A successful "bind" from...

...FEP and to the host application. Receipt of an "unbind" transfers control back to the **LOGON** program, the TCP/IP connection is broken, and the default menu reappears on the user...status of the TCP connection,

- o TCP HOSTNAM - convert a TCP host name to an **Internet address** ,
- o TCP COND - TCP connection descriptor, and
- o TCP BUFD - TCP send and receive buffer...rejects requests from remote hosts to establish communication connections referencing the DDN physical

' or logical **Internet address** of that attachment during the recovery interval. Also, DNAM rejects requests to establish communication connections from the local host referencing the DDN physical or logical **Internet address** during the recovery interval. If the recovery action is successful, then DNAM updates the configuration...

...then the installation continues to operate in the degraded mode. DNAM moves the DDN logical **Internet address** of the failed attachment to another physical attachment. DNAM accepts attempts to establish communication connections...

14/3,K/21 (Item 21 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 1998 EUROPEAN PATENT OFFICE. All rts. reserv.

00335708

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

Method and apparatus for linking an SNA host to a remote SNA host over a packet switched communications network.

Verfahren und Vorrichtung zur Verbindung eines SNA-Hostrechners mit einem entfernten SNA-Hostrechner über ein paketvermitteltes Nachrichtennetz.

Procede et dispositif pour connecter un hôte SNA a un hôte SNA éloigné au moyen d'un réseau de communication a communication par paquets.

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

Morten, Richard Maynard, 25524 Jonnie Court, Gaithersburg, MD 20879, (US)
Smith, Ted Paul, 5808 Jefferson Pike, Frederick, MD 21701, (US)

LEGAL REPRESENTATIVE:

Herzog, Friedrich Joachim, Dipl.-Ing. (5411), IBM Deutschland GmbH
Schonaicher Strasse 220, D-7030 Boblingen, (DE)

PATENT (CC, No, Kind, Date): EP 330834 A2 890906 (Basic)

EP 330834 A3 920401

APPLICATION (CC, No, Date): EP 89101269 890125;

PRIORITY (CC, No, Date): US 161647 880229

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04L-011/00; H04L-011/20;

ABSTRACT WORD COUNT: 179

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1165
CLAIMS B	(German)	EPBBF1	1043
CLAIMS B	(French)	EPBBF1	1382
SPEC B	(English)	EPBBF1	28337
Total word count - document A			0
Total word count - document B			31927
Total word count - documents A + B			31927

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...SPECIFICATION 8, 56-67 (1979). SNA provides a unified design for the functions and structure of **data communications products**. Prior to the introduction of SNA, teleprocessing networks had many problems: Terminals were often dedicated...

...Technical Overview, Order No. GC30-3073, available through IBM branch offices. The lowest layer, data **link** control, directly manages physical resource -- the transmission facilities that connect nodes. Successive layers provide additional...PU4, PU2, and PU1), which denotes the capabilities in the lower layers, particularly in data **link** control and path control.

PU1 - Type-1 (Terminal) Node

A terminal is a node of...

...points which operates as peers of one another. Further enhancements

provide functions such as parallel links , transmission priority, and multiple active routes for data transmission. Parallel links may be used between adjacent nodes of a network to provide additional bandwidth and backup, and these parallel links may be logically grouped to automatically distribute traffic across the links of a group. This concept also compensates for degradation resulting from errors on any of the links in the group, because transmission is disrupted only if the last remaining link in the group fails. Network availability can also be increased by providing multiple routes between...

...traffic can be rerouted (and disrupted sessions reconnected) to avoid failing intermediate nodes or failing links . Multiple routes can also be useful for traffic load leveling. These capabilities gave SNA the... initial signaling is completed, each user information record not only must contain the normal data link controls, but in addition must contain a packet header field. Once the system determines that...Unit

CSI	Console Service Interface
DDN	Defense data Network
DDR	Direct Datagram Request
DLC	Data Link Control
DNAM	DDN Access Method
DoD	Department of Defense
DSAF	Destination Subarea Field
DSX	Distribution...

...Only Storage

Sysgen	DDN/SNA System Generation Function
SDS	Sequential Data Sets
SDLC	Synchronous Data Link Control
SNA	System Network Architecture
SNAPS	NSA Portable Software by Data Connections, Ltd.
SNAP-2	SNA PU Type 2 Secondary Product
SNAP-5	SNA PU Type 5 Primary Product
SNAP-LINK	SDLC Primary and Secondary Link Level Product
SNAP-THRU	SNA Inter-domain Pass-through Primary Product
SSCP	System Service Control...VM host systems to address

each other and communicate over DDN, providing direct communication between data base products .

Description of the Drawings

These and other objects, features and advantages of the invention will be...

...VM host systems to address each other and communicate over DDN, providing direct communication between data base products such as **Information** Management System (IMS), and office system products such as Professional Office System (PROFS) and Distributed...host.

MVS host system includes in the TCP/IP for MVS, a High-Level Data Link Control Distant Host (HDH) interface, using a Series/1 for connecting MVS to DDN, including...

...and IP. The Series/1 FEP provides the network access layer (X.25), the data link layer (HDLC), and the physical layer.

In the host these services are provided by the...interface of the Arpanet Control Program (ACP) which allows the DDN Internet to provide communication links between a number of hosts running a relational data base system (DB). All hosts must...

...known" ports (WKPs).

The client/server model fits naturally onto TCP. For example, if a **client** program on a remote host sends a TCP connection request, specifying a WKP on the local...computers. The network control facilities provided allow for the investigation of trouble on the physical links connected to DDN.

There are three functional capabilities used to perform network control. These are...subarea routing function between PU5 hosts. These services allow for the activation of the physical link to the DDN IMP and for the establishment of the appropriate ERs and VRs to...

...SNA formatted PIUs supported are:

- o Activate Physical Unit,
- o Start Data Traffic,
- o Activate **Link** ,
- o Set Control Vector,
- o Contact,
- o Contacted, .
- o Inoperative,
- o Network Services Lost Subarea,
- o Explicit Route Inoperative,
- o virtual Route Inoperative,
- o Discontact,
- o Deactivate **Link** , and
- o Deactivate Physical Unit.

DDN/SNA Prototype System Example
The objectives of the DDN...

...1 EDX environment.

2. Verify the SNAPS product "port" to the 68000 SOS environment.
 SNAP-**LINK** -- SDLC Data **Link** Control,
 SNAP-2 -- SNA Physical Unit Type 2,
 SNAP-5 -- SNA Physical Unit Type 5...architecture to be modelled. An example of the Configuration Information is the quantity of serial **links** from the S/I to DDN.
 Description of Output Results
 1. An example of the...

...seconds).

Input Parameters
 Number of Users: 100
 Number of TS/ls: 4
 Number of SDLC **Links** per TS/l: 8
 Number of Request Pkts: 1
 Number of Response Pkts: 5
 Transaction...

...presents information on the various components of one-way packet delay:
 DDN Delay: .122
 SDLC **Link** Delay-Request: .227
 SDLC **Link** Delay-Response: .240
 DDN I/F Delay-Request: .110
 DDN I/F Delay-Response: .125...can have the effect of denying access to all TCP users on an X.25 **link** , in spite of the fact that TCP flow control would allow it and selected virtual...Instead, the exhaustive network address value defining the TCP connection (port) is composed of an **internet address** (host **address**) and port on TCP. By implication, it appears that the terms "host" and "TCP" are...

...if we are to offer upper level services as a common host over multiple physical **links** , passive TCP opens must be established over each such **link** to accommodate arbitrary **link** selections by the Interface Message Processor (IMP) on routing incoming active opens to that service...

...imposed by the IMP, and are beyond our control, these flow over two different hardware **links** . Since the individual TCPs are ignorant of each others' activities, connection deadlocks can result.
 These...on the FEP and/or RAF. These elements include NSA PU2, SNA PU5, SNA Data **Link** Control (DLC), SNA pass-through applications and SNA log-on and security applications. SNA primary...

...and low level designs have been completed and documented for the SNAPS PU2, PU5, and **Link** isolation layer AMODs, Personalized Modules (PMODs), HMOD, and Console Service Interface (CSI). These include AMODs...

...a MC68000 co-processor provides the PU5 System Service Control Point (SSCP) support and SNAP **LINK** on another MC68000 co-processor provides the primary Synchronous DLC (SDLC) support to the terminals...

...the FEP,

- o A pass-through module between the PU5 DLC AMOD and the SNAP **LINK** AMOD, and
- o A DLC modification to the S/1 \$SNA Program Product to interface Software

A SNA PU4 node provides the following four primary functions:

- o Data **Link** Control -- Provides the function needed to transmit and receive data over the 370 channel and...

...DDN.

- o Path Control -- Provides the function needed to route the data between the data **link** control functions.
- o Boundary Node Function -- Provides an interface to attached PU2 peripheral nodes.

o...

...estimated as twice that of the total PU4 support).

The 370 channel and DDN data **link** control functions, the path control function, and the support code for the centralized network control...

...an overview of these functions.

PU4 Channel I/O

The PU4 Channel I/O data **link** control function interfaces with the channel attached MC68000 card to communicate with one host over...

...PU4 Channel I/O function and the channel attached MC68000 card together perform the Data **Link** Control and as such respond to all channel commands as a NCP 3725 Communications Controller...

...coding has begun for this function.

PU4 DDN I/O

The DDN I/O data **link** control function interfaces with the TCP API to communicate with the remote PU4 FEPs on the DDN. The DDN I/O function and TCP API together perform the Data **Link** Control for the DDN interface. DDN Access Method (DNAM) resides in the EDX supervisor partition...down load new configurations, distribute password and user profiles, and retrieve dump and audit trail **information**.

- o HCF -- **Product** used to allow the network operator to enter S/1 commands remotely on a FEP...Interface Message Processor (IMP) is an RS449 Type SR physical interface (ISO level 1). The **link** level protocol shall be HDLC (ISO level 2). The packet level shall be X.25...

...or more defined LU2s (windows). The RAF shall be the primary station on the SDLC **link**. The SDLC **link** to an SNA 3274 shall be point-to-point. The PCs emulating 3274 may be...Interface Message Processor (IMP) is an RS449 Type SR physical interface (ISO level 1). The **link** level protocol shall be HDLC (ISO level 2). The packet level shall be X.25...Interface Message Processor (IMP) is an RS449 Type SR physical interface (ISO level 1). The **link** level protocol shall be HDLC (ISO level 2). The packet level shall be X.25...

...also allows the user to build their system elements (code and tables) at one central **site** and distribute them over the network.

The system is comprised of hosts, Network Control Hosts...LU sessions via the DDN.

For a new Series/1 node to become operational, the **site** operator must allocate all datasets locally on the Series/1 as per instructions contained in documentation distributed with the diskettes.

The **site** operator follows a script that has instructions on:

- Creating the required EDX volumes and data...

...tapes of the DDN/SNA baseline DSX resource repository.

To install the user's MNCH **site**, programs and tables are distributed from an IBM development **site**. The MNCH is the NCH on which the user runs Sysgen, and from which all...one PU4 channel. The PU4 Channel I/O function and BCAM, together, perform the data **link** control function and as such, respond to all channel commands as a Network Control Program...

...FEPs on the DDN. The DDN I/O function and DNAM, together, perform the data **link** control function for the DDN interface. DNAM resides in one

of the EDX supervisor partitions...System Wide Operator Facilities (SWOF), SNA Passthru, High Level Interface (HLI) Application Program Interface (API), **Logon**, Security/Audit, \$SNA Data Link Control (DLC) Interface, SNAPS to SNAPS Access Module (AMOD), HLI AMOD, DLC AMOD, Console Services Interface (CSI) Personality Module (PMOD), Transmission Control Interface (TCI) AMOD, Common AMOD, SNAP-LINK AMOD, SNAPS Hardware Module (HMOD), Operator Interface, Console Services, and Channel DLC.

Network Control facilities...

...within a FEP/NCF and RAF is provided by, SNAPS software (SNAP2, SNAP-5, SNAP-LINK, SNAP-THRU). We have ported this code to the 68000 co-processor hardware in the...

...the primary PU5 SNA support (SSCP) to downstream PU2 devices attached to the RAF. SNAP-LINK, with the associated SDLC HMODs, provides the DLC layer for communicating with the downstream SNA...

...and access a VTAM host and establish an SNA session with a host application. The **LOGON** program, in conjunction with the HLI interfaces to SNAP-5, provide menu-driven services to the user. These services include **logon** and password authorization via a security/audit program, and user selection of a host system and application. **Logon** establishes the connection through TCP/IP to the selected host FEP. A successful "bind" from...

...FEP and to the host application. Receipt of an "unbind" transfers control back to the **LOGON** program, the TCP/IP connection is broken, and the default menu reappears on the user...status of the TCP connection,
o TCP HOSTNAM - convert a TCP host name to an **Internet address**,
o TCP COND - TCP connection descriptor, and
o TCP BUFD - TCP send and receive buffer...rejects requests from remote hosts to establish communication connections referencing the DDN physical or logical **Internet address** of that attachment during the recovery interval. Also, DNAM rejects requests to establish communication connections from the local host referencing the DDN physical or logical **Internet address** during the recovery interval. If the recovery action is successful, then DNAM updates the configuration...

...then the installation continues to operate in the degraded mode. DNAM moves the DDN logical **Internet address** of the failed attachment to another physical attachment. DNAM accepts attempts to establish communication connections...

14/3,K/22 (Item 22 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 1998 EUROPEAN PATENT OFFICE. All rts. reserv.

00286638

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

Decharacterization of base wine and its use in the preparation of flavored beverages.

Decharakterisierung von Grundwein und seine Verwendung bei der Herstellung von aromatisierten Getranken.

Elimination du caractere distinctif d'un vin de base et son utilisation dans la preparation de boissons aromatisees.

PATENT ASSIGNEE:

Heublein, Inc., (912460), Munson Road, Farmington Connecticut 06032, (US)
, (applicant designated states: AT;BE;CH;DE;ES;FR;GB;GR;IT;LI;LU;NL;SE)

INVENTOR:

Shrikhande, Anil J., 5E Staunton Court, Farmington Connecticut 06032,
(US)

Alioto, Joseph A., 2430 Howard Road 38, Madera California, (US)

LEGAL REPRESENTATIVE:

Richter, Werdermann & Gerbaulet (100442), Neuer Wall 10, W-2000 Hamburg
36, (DE)

PATENT (CC, No, Kind, Date): EP 281053 A2 880907 (Basic)

EP 281053 A3 881019
EP 281053 B1 920506
APPLICATION (CC, No, Date): EP 88102987 880229;
PRIORITY (CC, No, Date): US 21050 870302
DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; LU; NL; SE
INTERNATIONAL PATENT CLASS: C12G-003/06; C12H-001/02;
ABSTRACT WORD COUNT: 45

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	541
CLAIMS B	(German)	EPBBF1	383
CLAIMS B	(French)	EPBBF1	477
SPEC B	(English)	EPBBF1	2529
Total word count - document A			0
Total word count - document B			3930
Total word count - documents A + B			3930

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...SPECIFICATION 35". These resins are classified as weak base anion exchangers having a high porosity phenolic **matrix** styrene divenyl matrix or acrylic divenyl benzene matrix with amine active sites.
For further descriptive...is directed to: the "Rohm and Haas Ion Exchange Resins" printed in 1985 by Rohm and Haas Company as **Technical** Bulletin Fluid Process Chemicals. It should be understood of course that the resins specifically identified...

14/3,K/23 (Item 23 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 1998 EUROPEAN PATENT OFFICE. All rts. reserv.

00254188

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

Rotary powered linear actuated clamp.

Durch Rotation angetriebene, linear betatigte Spannzwinge.

Serre-joints actionne lineairement a entrainement rotatif.

PATENT ASSIGNEE:

Dover Corporation, De-Sta-Co Division, (857840), 250 Park Street, Troy,
MI 48007, (US), (applicant designated states: BE;DE;ES;FR;GB;IT;NL;SE)

INVENTOR:

McPherson, Alexander, 29676 Middlebelt Road, Farmington Hills, MI 48018,
(US)

Harkrader, Alan, 6333 Hayes Tower Road, Gaylord, MI 49735, (US)

LEGAL REPRESENTATIVE:

Wehnert, Werner et al (12791), Patentanwälte Dipl.-Ing. Hauck,
Dipl.-Phys. Schmitz, Dipl.-Ing. Graalfs, Dipl.-Ing. Wehnert,
Dipl.-Phys. Carstens, Dr.-Ing. Doring Mozartstrasse 23, W-8000 Munchen
2, (DE)

PATENT (CC, No, Kind, Date): EP 255853 A2 880217 (Basic)
EP 255853 A3 890816
EP 255853 B1 930303

APPLICATION (CC, No, Date): EP 87105883 870422;
PRIORITY (CC, No, Date): US 894963 860808
DESIGNATED STATES: BE; DE; ES; FR; GB; IT; NL; SE
INTERNATIONAL PATENT CLASS: B25B-005/12; B23Q-003/06;
ABSTRACT WORD COUNT: 52

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	619
CLAIMS B	(German)	EPBBF1	587
CLAIMS B	(French)	EPBBF1	793
SPEC B	(English)	EPBBF1	1919
Total word count - document A			0

Total word count - document B 3918
Total word count - documents A + B 3918

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...SPECIFICATION 46 as well as link actuator diameter 73, although greater than the thickness of arm 12 and spacing of roller track plates 14 shown in Fig. 1, have clearance resulting from...
...molded in place on a master screw. The preferred plastic material is available under the trade name "Moglice" and registered trademark "Diamant" distributed by Moglice Products Inc., as supplied by the German company Diamant Metallplastic GMBH. Such material is characterized by low friction...

14/3,K/24 (Item 24 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 1998 EUROPEAN PATENT OFFICE. All rts. reserv.

00237055

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

Ethylene dimerization and polymerization.
Verfahren zur Oligomerisierung von Athan.
Procede pour l'oligomerisation d'ethylene.

PATENT ASSIGNEE:

PHILLIPS PETROLEUM COMPANY, (201539), 5th and Keeler, Bartlesville
Oklahoma 74004, (US), (applicant designated states:
AT;BE;CH;DE;ES;FR;GB;IT;LI;LU;NL;SE)

INVENTOR:

McDaniel, Max Paul, 1610 SE Melmart Drive, Bartlesville, OK 74006, (US)
Smith, Paul David, 4927 Feagan, Houston, TX 77007, (US)
Klendworth, Douglas Dean, 3211 Wayside Drive, Bartlesville, OK 74006,
(US)

LEGAL REPRESENTATIVE:

Dost, Wolfgang, Dr. rer. nat. Dipl.-Chem. et al (3041), Patent- u.
Rechtsanwalte Bardehle, Pagenberg, Dost, Altenburg Frohwitter & Partner
Galileiplatz 1, W-8000 Munchen 80, (DE)

PATENT (CC, No, Kind, Date): EP 230983 A1 870805 (Basic)
EP 230983 B1 910724

APPLICATION (CC, No, Date): EP 87100821 870122;

PRIORITY (CC, No, Date): US 822453 860127

DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: C07C-002/30; B01J-031/14; B01J-031/26;

ABSTRACT WORD COUNT: 38

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	409
CLAIMS B	(German)	EPBBF1	409
CLAIMS B	(French)	EPBBF1	467
SPEC B	(English)	EPBBF1	4401
Total word count - document A			0
Total word count - document B			5686
Total word count - documents A + B			5686

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...SPECIFICATION a commercial catalyst of the type sold by Catalyst Resources, Inc. under the trade name **Lynx** 705. That catalyst is one of the type disclosed in U.S. Patent No. 4,347,158.

The **Lynx** 705 (see image in original document)
catalyst when used in the amount of 0.0489 gm along with 1 ml of TEA gave 4622 gm of polymer in 26 minutes. There was no evidence of olefin production.

To carry out a cojoint polymerization/dimerization 0.0691 gm of **Lynx** 705 catalyst and 8 ml of the blue-green solution of Example II were added along with 2 ml of TEA to the reactor. Ethylene consumption

started at 336 gm...

...scum of polymer was found in the reactor.

In another run 0.1289 of the **Lynx** 705 catalyst and 1 ml of TEA were employed and 0.5 ml of **Ti** (OEt)(sub 4) was employed in place of the blue-green solution. There was no...

...of 0.4521 gm, was charged to the reactor along with 0.0621 gm of **Lynx** 705 catalyst and 1 ml of TEA. A vigorous **reaction** started and grew rapidly until by 10 minutes the reaction had to be shut down...

...close to that obtained in a control run in which 0.0357 gm of the **Lynx** 705 catalyst was used with 1 ml of TEA in the absence of dimerization catalyst.

Since it is known that copolymerization generally never occurs as...

14/3,K/25 (Item 25 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 1998 EUROPEAN PATENT OFFICE. All rts. reserv.

00236488

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

Method of bonding inorganic particulate material, particularly for multilayer ceramic substrates.

Verfahren zum Verbinden anorganischer Partikel, insbesondere für Mehrlagen-Keramiksubstrate.

Procede pour lier des materiaux inorganiques en particules, en particulier pour des substrats ceramiques multicouches.

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB;IT)

INVENTOR:

Anderson, Herbert Rudolph, Jr., RR. No. 1, Box 44, Patterson N.Y. 12563, (US)

Araps, Constance Joan, RD 376 & Mvers Corner Rd, Wappingers Falls N.Y. 12590, (US)

Divakaruni, Renuka Shastri, 153 Oscaleta Rd, Ridgefield, Conn. 06877, (US)

Sachdev, Krishna Gandhi, 14 Tanglewood Drive, Wappingers Falls, N.Y. 12590, (US)

Zalar, Stoyan Mathias, 222 Spackenkill Rd., Poughkeepsie N.Y. 12603, (US)

Kirby, Daniel Patrick, 34 Pleasant Ridge Drive, Poughkeepsie N.Y. 12603, (US)

Wolffnufer, Robert, R.D. No. 3, Box 234, Hopewell Junction N.Y. 12533, (US)

Sachdev, Harbans Singh, 14 Tanglewood Drive, Wappingers Falls N.Y. 12590, (US)

Suryanarayana, Darbha, 324 Burd Drive, Vestal N.Y. 13850, (US)

LEGAL REPRESENTATIVE:

Colas, Alain (14801), Compagnie IBM France Departement de Propriete Intellectuelle, F-06610 La Gaude, (FR)

PATENT (CC, No, Kind, Date): EP 237700 A2 870923 (Basic)

EP 237700 A3 890222

EP 237700 B1 920506

APPLICATION (CC, No, Date): EP 87100210 870109;

PRIORITY (CC, No, Date): US 829344 860214

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: C04B-035/00; C03C-010/00; H01L-021/48;

H05K-003/46;

ABSTRACT WORD COUNT: 94

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	583
CLAIMS B	(German)	EPBBF1	564
CLAIMS B	(French)	EPBBF1	703

SPEC B (English) EPBBF1 4767
Total word count - document A 0
Total word count - document B 6617
Total word count - documents A + B 6617

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...SPECIFICATION complexes formed by the reaction of titanium alkoxides with organic ligands which serve as donor **sites** for titanium. These chelates can **be** represented by the following general formula: (see image in original document)
where X represents a...

...These reagents are commercially available from E.I. DuPont de Nemours and Company under the **trade names** "Tyzor" **organic** titanates or from **Kenrich** Chemicals Corp. under the **trade name** "Ken-React".

The following **Examples** are disclosed to depict preferred specific embodiments of the invention and are not intended to unduly...

14/3,K/26 (Item 26 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 1998 JPO & JAPIO. All rts. reserv.

04944779
THANK-YOU LETTER CARD

PUB. NO.: 07-237379 [JP 7237379 A]
PUBLISHED: September 12, 1995 (19950912)
INVENTOR(s): HAGA EIGO
APPLICANT(s): C I C KK [000000] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 06-053129 [JP 9453129]
FILED: February 25, 1994 (19940225)

ABSTRACT

... nearly one half as large as a name card are lightly printed at the predetermined **sites** on the surface of the name card. The letters are printed in grass characters or...

... with the predetermined color such as light blur color or other proper color. Further, a **company** mark 3, a **company** name 4, the business object of the company 5 are printed in different color. Furthermore, the...

14/3,K/27 (Item 27 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 1998 JPO & JAPIO. All rts. reserv.

03233795
CARD EQUIPPED WITH READING INDICATION CORNER

PUB. NO.: 02-209295 [JP 2209295 A]
PUBLISHED: August 20, 1990 (19900820)
INVENTOR(s): SUGIMOTO HIKARI
SUGIMOTO HARUE
APPLICANT(s): SUGIMOTO HIKARI [000000] (An Individual), JP (Japan)
APPL. NO.: 01-029722 [JP 8929722]
FILED: February 10, 1989 (19890210)
JOURNAL: Section: M, Section No. 1044, Vol. 14, No. 506, Pg. 90,
November 06, 1990 (19901106)

ABSTRACT

...CONSTITUTION: A **company** name 3, a post 4, a position 5, a name 6, a postal code number 7, the **site** 8 of a company and a phone number 9 are entered in card base paper...

...line can be read over a length of 5cm and is A, that is, the **company**

```
name , a mark '4-7-D' being data wherein the fourth line can be read  
over a length...  
?pause  
>>> PAUSE started.  
?
```

?show files;ds

File 15:ABI/INFORM(R) 1971-1998/Mar W1
(c) 1998 UMI
File 9:Business & Industry(R) Jul 1994-1998/Mar 10
(c) 1998 Resp. DB Svcs.
File 13:BAMP 1998/Mar W1
(c) 1998 Resp. DB Svcs.
File 635:Business Dateline(R) 1985-1998/Mar W1
(c) 1998 UMI
File 610:Business Wire 1986-1998/Mar 10
(c) 1998 Business Wire
File 647:CMP Computer Fulltext 1988-1998/Feb W2
(c) 1998 CMP
File 674:Computer News Fulltext 1989-1998/Feb W4
(c) 1998 IDG Communications
File 98:General Sci Abs/Full-Text 1984-1998/Jan
(c) 1998 The HW Wilson Co.
File 88:IAC BUSINESS A.R.T.S. 1976-1998/Mar 10
(c) 1998 Information Access Co.
File 275:IAC(SM) Computer Database(TM) 1983-1998/Mar 10
(c) 1998 Info Access Co
File 12:IAC Industry Express (TM) 1995-1998/Mar 10
(c) 1998 Info. Access Co.
File 47:Magazine Database(TM) 1959-1998/Mar 10
(c) 1998 Information Access Co.
File 75:IAC Management Contents(R) 86-1998/Mar W1
(c) 1998 Info Access Co
File 111:Natl.Newspaper Index(SM) 1979-1998/Mar 09
(c) 1998 Info. Access Co.
File 211:IAC Newsearch(TM) 1997-1998/Mar 10
(c) 1998 Info. Access Co.
File 636:IAC Newsletter DB(TM) 1987-1998/Mar 10
(c) 1998 Information Access Co.
File 16:IAC PROMT(R) 1972-1998/Mar 10
(c) 1998 Information Access Co.
File 148:IAC Trade & Industry Database 1976-1998/Mar 10
(c) 1998 Info Access Co
File 624:McGraw-Hill Publications 1985-1998/Mar 05
(c) 1998 McGraw-Hill Co. Inc
File 484:Periodical Abstracts Plustext 1986-1998/Feb W3
(c) 1998 UMI
File 141:Readers Guide 1983-1998/Jan
(c) 1998 The HW Wilson Co
File 696:DIALOG Telecom. Newsletters 1995-1998/Mar 09
(c) 1998 The Dialog Corp.
File 553:Wilson Bus. Abs. FullText 1982-1998/Jan
(c) 1998 The HW Wilson Co
File 621:IAC New Prod. Annou.(R) 1985-1998/Mar 10
(c) 1998 Information Access Co
File 278:Microcomputer Software Guide 1998/Feb
(c) 1998 Reed Elsevier Inc.
File 256:SoftBase:Reviews,Companies&Prods. 85-1998/Jan
(c)1998 Info.Sources Inc

Set	Items	Description
S1	139163	(PRODUCT? OR MERCHANDISE OR CATALOG?)(2N)(NUMBER? ? OR CODE? ?) OR UNIFORM?()PRODUCT?()CODE? OR SIC?()CODE?
S2	363781	WEB()BROWSER? OR BROWSER? OR NETSCAPE? OR EXPLORER? OR CLIENT()PROGRAM? OR LYNX? OR MOSAIC
S3	206229	UNIVERSAL?()RESOURCE?()LOCAT?R? OR U()R()L? ? OR URL? ? OR UNIFORM?()RESOURCE? OR WEB()ADDRESS? OR INTERNET?(2N)ADDRESS? OR RESOURCE? ?(2N)ADDRESS?(4N)INTERNET?
S4	3158857	LINK? ? OR SITE? ? OR WEB()SITE? ? OR WEBSITE? OR WEB?()PAGE? OR INTERNET?()PAGE? OR HOME()PAGE? OR HOMEPAGE?
S5	1688028	(PRODUCT? OR COMPANY?)(2N)(INFORMATION? OR DATA? OR NAME? - OR DESCRIPTION? OR SPECIFICATION? OR REVIEW? ?) OR COUPON? ?
S6	1259378	TRADE?()MARK? OR TRADEMARK? OR TRADE?()NAME? OR TRADENAME?

OR LOGO? OR COMPAN?(2N) (MARK? OR EMBLEM?)
S7 591 S2(S)S3(S)S4(S)S5(S)S6
S8 10756 (ENTER? OR SEARCH? OR TYPE? OR SCAN?) (2W)S6
S9 8 S7(S)S8
S10 8 S2(S)S3(S)S4(S)S5(S)S8
S11 317 S2(S)S8
S12 140 S4(S)S11
S13 59 S5(S)S12
S14 59 S9:S10 OR S13
S15 53 RD (unique items)
?t15/3,k/all
>>>KWIC option is not available in file(s): 278

15/3,K/1 (Item 1 from file: 16)
DIALOG(R)File 16:IAC PROMT(R)
(c) 1998 Information Access Co. All rts. reserv.

06582942 SUPPLIER NUMBER: 06582944
Dataware Technologies introduces Visual Basic Toolkit for BRS/Search.
Business Wire Dec 16, 1996 p. 12161159
FULL TEXT AVAILABLE IN FORMAT 7 OR 9 WORD COUNT: 682

...than 20 countries. For further information, visit
<http://www.dataware.com> -0- Dataware and BRS/**Search** are registered
trademarks owned by Dataware Technologies, Inc. Other **product** or
company names mentioned in this press release may be trademarks or
registered trademarks of their respective companies...

...trademarks of the Microsoft Corporation in the United States and/or
other countries. Point your **browser** to the Microsoft industry **home**
page at <http://www.microsoft.com/industry/> .

CONTACT: Dataware Technologies, Cambridge
Peggy Flynn, 617/577-2802...

15/3,K/2 (Item 2 from file: 16)
DIALOG(R)File 16:IAC PROMT(R)
(c) 1998 Information Access Co. All rts. reserv.

06581886 SUPPLIER NUMBER: 06581888
**Firefly Network provides open approach for a personalized and measurable
web experience.**
Business Wire Dec 3, 1996 p. 12030272
FULL TEXT AVAILABLE IN FORMAT 7 OR 9 WORD COUNT: 1530

...an open architecture to support existing Internet standards and
market leaders, including server-side and **database products** from
Microsoft, **Netscape** , Oracle, Silicon Graphics and Sun Microsystems.. This
open approach also makes it easy for third...

...added applications which work seamlessly with Firefly software tools. As
a result, content providers, commerce **sites** , corporate **enterprises** and
marketing services companies will be able to combine existing
technology investments with Firefly tools to create a solution...

15/3,K/3 (Item 1 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou. (R)
(c) 1998 Information Access Co. All rts. reserv.

00837508

00837948

Mastering, Inc. to Offer Training for Enterprise Software Applications

PR Newswire
DATELINE: SCOTTSDALE, Ariz. Dec 16, 1997 WORD COUNT: 699

...Vice President of Marketing, at 800-800-9686 or at
anne.wolf@masteringcomputers.com. Additional **company information** can
be found at www.masteringcomputers.com.

Mastering, Inc. is a leading provider of information...

...including both IT professional and end-user training
courses focused on products from Microsoft, Novell, **Netscape** and
Lotus that can be delivered on CD-ROM, LAN/WAN, and corporate
intranets. Additional **company information** can be found at
<http://www.masteringcomputers.com>.

SOURCE Mastering, Inc.

-0-

12/16/97

/NOTE TO EDITORS: Siebel, Siebel Sales Enterprise, and Siebel
Service **Enterprise** are **trademarks** of Siebel Systems Inc. and may be
registered in certain jurisdictions/

/CONTACT: Amy LaBan of Mastering, Inc., 602-922-7580, e-mail:
alaban@eriver.com/

/Web site : <http://www.masteringcomputers.com/>
(MASC)

CO: Mastering, Inc.
ST: Arizona, Illinois
IN: CPR
SU: PDT...

15/3,K/4 (Item 2 from file: 621)
DIALOG(R) File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00819663

00820103

**Information Dimensions Adds Distributors for BASIS Arabic Product Now
Available for Windows NT**

PR Newswire

DATELINE: DUBLIN, Ohio Sep 22, 1997 WORD COUNT: 676

Atallah, Shamma and GIZA Strengthen **Information Dimensions' Product** Rea
ch in

the Middle East; New Version Available for Windows NT

DUBLIN, Ohio, Sept. 22...

...GIZA

Cairo-based GIZA Systems Engineering designed, created and
implemented two very large database-supported **web sites** for the
Egyptian Army's Office of Morale Affairs in January 1997. GIZA
completed the multilingual project, which has become the **web site**
standard for the country's armed forces, in less than 14 months.
One of the **web sites** is a secured **home page** for internal Egyptian
Army use that monitors media coverage and provides analysis of that
coverage in both English and Arabic. The second **site** is similar,
but contains more general unclassified information. Both **sites** are
accessible 24 hours a day by military personnel via local Internet
web browsers.

"Building systems of this magnitude and importance is a remarkable
achievement for any company, but...

...that allows users to combine their investments in legacy systems
with the convenience of standard **web browsers** to create, index,

search and retrieve business-critical documents.

About Information Dimensions

Information Dimensions (http...

...growing

customer base with a worldwide network of direct sales, distributors and business partners. The **company** realizes **Information Management** for the Borderless Enterprise(TM) by delivering secure document management and library solutions via...

...Angeles, CA.

NOTE: BASIS and TECHLIB are registered trademarks and Information Management for the Borderless **Enterprise** is a **trademark** of Information Dimensions or its affiliates in the USA and certain other countries. Microsoft and...

15/3,K/5 (Item 3 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00819509

00819949

Lotus Reaches New Channels Through VAR Seminar Series

PR Newswire

DATELINE: CAMBRIDGE, Mass. Sep 25, 1997 WORD COUNT: 1375

...mail and calendaring; five user licenses with a choice of Lotus Notes Desktop clients or **browser** with mail access, and 12 ready-to- customize business applications.

The tour, which is co...

...and IBM, offer VARs the opportunity to hear firsthand about strategies for reaching the small **enterprise market** .

"Small **companies** have seen the value of connecting to the Internet and VARs are now searching for...

...relationship management applications, office automation applications, information sharing and project collaboration applications and a public **Web site** .

VARs can activate all 12 of these ready-to-use business applications at once or...

...custom programming expertise.

Domino Intranet Starter Pack also allows VARs to manage a client's **site** remotely, via a **Web browser** or Notes client, making the support process more efficient. This allows small enterprises to work...

...of Domino Intranet Starter Pack. VARs will also be given access to a new Lotus **Web site** , VARCentral (available in late October), that has been designed and developed to provide marketing and...

...and understanding of Lotus products. VARs who join the Lotus Business Partner program will receive **product release information** , tool kits, training, education and certification, and access to a myriad of marketing programs to...

...new business. They can also take advantage of online tools via the new

Developer Central **Web site** (<http://www.lotus.com/developers>), which provides all developers with the latest Lotus developer tools...Services Group. For more information on the Lotus Internet applications product line, visit the Lotus **Web site** at <http://www.lotus.com> or call 1-800-343-5414 in the United States...

...owners.

All Lotus news releases are available on the Internet, via the Lotus Development Corp. **Home Page** at <http://www.Lotus.com>. The Lotus **Home Page** is an easy way to find information about Lotus and its business partners' products and services.

A copy of this release and other **company information** is also available via fax by dialing 1-800-57-LOTUS within the U.S...

...or Elena Fernandez of Lotus Development Corp.,
617-693-1606, Elena.Fernandez@crd.lotus.com/

/Web site : <http://www.lotus.com/>
(IBM)

CO: Lotus Development Corporation
ST: Massachusetts
IN: CPR
SU:

KR...

15/3,K/6 (Item 4 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00808911

00809351

Beyond Software and Cap Gemini Announce European-Wide Partnership to Provide Solutions to Transform Legacy Applications into Web Enabled Enterprise Solutions.

Business Wire

DATELINE: SAN JOSE, Calif. . August 26, 1997 WORD COUNT: 529

...from Beyond include integrated email and calendaring applications for the IBM Office Vision environment and **browser** technology for 3270 users.

Brian Reaves, President and CEO of Beyond Software, noted: "We are...

...OS/390

Webservers. For more information on Beyond's product offerings, visit the company's **Web site** at www.beyond-software.com .

About Cap Gemini

Cap Gemini Group is the largest European...

...solutions that enable them to address their most critical issues. Cap Gemini's World Wide **Web address** is www.capgemini.com . -0-

Note to Editors: Beyond Software and **EnterpriseWeb** , are **trademarks** of Beyond Software Inc. All other **company** and **product names** are registered **trademarks** of their respective owners.

CONTACT: Beyond Software Inc., San Jose
Michelle Barnes, 408/436-5974...

15/3,K/7 (Item 5 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00804585

00805025

Beyond Software and SoftTouch Systems Partner to Expand Web Enablement of Legacy Applications into Web Enabled Enterprise Solutions.

Business Wire

DATELINE: ATLANTA August 13, 1997 WORD COUNT: 597

...MVS

3270 datastream management facilities used for transforming on-line transaction processing (OLTP) applications into **Web browser** ready documents. With the CrossPlex and EnterpriseWeb/MVS solution, the legacy application, data and Web server all reside natively on the mainframe. A standard **Web browser** is the user interface.

With CrossPlex and EnterpriseWeb/MVS, corporations now have the ability to exploit the flexibility and ease of use of the **Web browser** and, at the same time, address the critical business requirements to give Internet/Intranet users...

...390 platform and currently has the largest installed base of S/390 web servers. For more **information**, visit the **company's Web site** at <http://www.beyond-software.com>.

About SoftTouch Inc.

SoftTouch Systems, based in Oklahoma City...

...many software accommodations including the top ten companies for best overall customer support. For more **information**, visit the **company's Web site** at <http://www.softtouch.com>. -0-

NOTE TO EDITORS: Beyond Software, EnterpriseWeb, EnterpriseWeb VM and **EnterpriseWeb** Mail are **trademarks** of Beyond Software Inc. CrossPlex and SoftTouch are registered trademarks of SoftTouch Systems Inc. All other **company** and **product names** are registered trademarks of their respective owners.

CONTACT: Beyond Software
Michelle Barnes, 408/436-5974...

15/3,K/8 (Item 6 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00794159

00794598

IBM to Leverage SCO UnixWare for Enterprise Power on IBM PC Server

PR Newswire

DATELINE: SANTA CRUZ, Calif. July 8, 1997 WORD COUNT: 1488

...computer manufacturers who have pledged their support for the SCO UnixWare operating system in the **enterprise market**. These **companies** include Compaq, Data General, NCR, ICL High Performance Systems, Olivetti, Siemens Nixdorf, and Unisys. These...

...Servers and SCO UnixWare and, in the near future, IBI will make available SmartMart, our **datamart product**."

Enterprise Ready

SCO continues to develop and enhance the enterprise capabilities of the highly-scalable...
...for business-critical environments.

Internet enhancements tightly integrated into the SCO UnixWare system, include the **Netscape** FastTrack Server 2.0 for creating and managing Internet/intranet **sites** ; **Netscape** Navigator Gold 3.0 for Web access and publishing enhanced PPP for robust dial-up...

...easily add extensions to their Internet/intranet environment with other recently announced components, including the **Netscape** Enterprise Server 2.0, **Netscape** Proxy Server 2.5, **Netscape** LiveWire, and the SCO Internet to NetWare Gateway for easily connecting systems on NetWare LANs...

...network of distributors, resellers, systems integrators, and OEMs. For more information, see SCO's WWW **home page** at <http://www.sco.com>.

Positioning Statements

Compaq

"Compaq is committed to supporting the development...UNIX is a registered trademark of The Open Group in the US and other countries. **Netscape** FastTrack Server, **Netscape** Enterprise Server, **Netscape** Proxy Server, and **Netscape** LiveWire are trademarks of **Netscape** Communications Corporation. Java is a trademark of Sun Microsystems, Inc. All other brand or **product names** are or may be trademarks of, and are used to identify products or services of...

15/3,K/9 (Item 7 from file: 621)
DIALOG(R) File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00792572

00793011

Beyond Software Announces the General Availability of EnterpriseWeb/VM 1.3, a Powerful Web Server for the VM Operating Environment.

Business Wire

DATELINE: SAN JOSE, Calif. July 9, 1997 WORD COUNT: 384

...web-enable their legacy applications, thereby improving ease of use and reducing costs. Using commercial **web browsers** such as **Netscape** Navigator and Microsoft Internet **Explorer** , users are able to connect directly to legacy applications maintained on the VM platform.

"EnterpriseWeb...

...been on the market for over a year now, is installed at more than 120 **sites** and has been very well received. In fact, we have worked with our customers to...

...commercial web server for the System 390 platform, is based in San Jose. For more **information** , visit the **company** 's **Web site** at <http://www.beyond-software.com> . -0-

NOTE TO EDITORS: Beyond Software, EnterpriseWeb, EnterpriseWeb/VM and **EnterpriseWeb** /MVS are **trademarks** of Beyond Software Incorporated. All other **company** and **product names** are registered trademarks of their respective owners.

CONTACT: Beyond Software Inc., San Jose
Michelle Barnes...

15/3,K/10 (Item 8 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00787827

00788266

Verity's SEARCH'97 Personal for browsers receives four-star rating by PC Computing Magazine; SEARCH'97 Personal's easy setup and fast search capability wins out over AltaVista's Search My Computer Private eXtension.

Business Wire
DATELINE: SUNNYVALE, Calif. June 20, 1997 WORD COUNT: 686

...announced
that Verity's SEARCH'97 Personal received a four-star rating in an independent **product review** conducted by PC Computing Magazine, the leading personal computer magazine.

The **product review**, published in the June 97 edition of PC Computing, compared Verity's SEARCH'97 Personal...

...SEARCH'97 Personal's ability to perform fast searches and its ease of use, the **product review** pointed out several features that gave SEARCH'97 Personal a highly favorable rating, including its...

...Exchange.

Verity is expanding the product line to include its SEARCH'97 Personal products for **Netscape** Navigator/Communicator and Microsoft **Explorer** which are shipping now. IntelliServ for SEARCH'97 is scheduled for general availability in the...

...users the ability to search and navigate large relational databases rapidly and effectively from a **web browser**, as well as enhanced text viewing and filtering solutions for its SEARCH'97 platform.

About...

...T, CNET, Cisco, Compaq,
Dow Jones, Financial Times, Individual Inc., Informix, NEC, Lotus Development Corp., **Netscape** Communications, PC DOCS, SAP, SCO, Siemens Nixdorf, Sybase, Tandem and Times Mirror Pathfinder.

This release...
...Commission.

For more information contact Verity at info@verity.com or at the World Wide **Web** site <http://www.verity.com/> or by calling 408/541-1500 -0-

Note to Editors: Verity and **SEARCH** '97 are **trademarks** of Verity Inc. in the United States and other countries. All other trademarks are the...

15/3,K/11 (Item 9 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00784711

00785150

SystemSoft to incorporate Verity's SEARCH'97 technology in flagship problem-resolution SystemWizard product.

Business Wire

DATELINE: NATICK, Mass. June 3, 1997 WORD COUNT: 931

...Exchange. Verity is expanding the product line to include its SEARCH'97 Personal products for **Netscape** Navigator and Microsoft **Explorer** which are shipping now. IntelliServ for SEARCH'97 is scheduled for general availability in the...

...T, CNET, Cisco, Compaq, Dow Jones, Financial Times, Individual Inc., Informix, NEC, Lotus Development Corp., **Netscape** Communications, PC DOCS, SAP, SCO, Siemens Nixdorf, Sybase, Tandem and Times Mirror Pathfinder.

This release...

...complete transactions, and other risks identified in the Company's Securities and Exchange Commission filings.

Information on SystemSoft products and services is available on the World Wide Web at <http://www.systemsoft.com>

For more information contact Verity at info@verity.com or at the World Wide Web site <http://www.verity.com/> or by calling 408-541-1500

Verity and **SEARCH '97** are **Trademarks** of Verity Inc. in the United States and other countries. All other trademarks are the...

15/3,K/12 (Item 10 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00783062

00783501

Beyond Software announces the general availability of enterprise application transformation products.

Business Wire

DATELINE: KANSAS CITY, Mo. May 15, 1997 WORD COUNT: 630

...access to important intranet applications, or to the Internet. As a native VM/CMS text **browser**, Enterprise View is centrally installed, and can easily be integrated with existing security and application management systems. In addition, it allows 3270 users access to the same **Web page** text as PCs and other desktop **browser** users and to data displayed in tables and forms. Pricing starts at \$15,000 for. .

...those without VM user IDs. It updates the current OfficeVision calendar interface with a graphical **Web browser** interface so users can easily view their calendars by day or month, find available meeting...

...VM, Beyond Software's Web server for the VM operating system, and supports HTML-compliant **browsers** such as **Netscape** Navigator and Microsoft's Internet **Explorer**. Pricing is based on machine model group. A model group 30 is priced at \$4...

...web server for the System 390 platform, is based in San Jose, California. For more **information**, visit the company's **Web site** at <http://www.beyond-software.com>. -0-

Note to Editors: Beyond Software, EnterpriseWeb, EnterpriseWeb/VM and **EnterpriseWeb** /MVS are **trademarks** of Beyond Software Incorporated. All other **company** and **product names** are registered

trademarks of their respective owners.

CONTACT: Beyond Software
Todd Gebhart, 408/436-5900...

15/3,K/13 (Item 11 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00782539

00782978

Agile Software Corporation to Present At the Red Herring Venture Market West Conference

PR Newswire
DATELINE: MONTEREY, Calif., VENTURE MARKET WEST May 6, 1997
WORD COUNT: 460

...Corporation was founded to provide affordable, off-the-shelf Windows- and Java-based client/server **Product Data Management (PDM)** software solutions for fast-paced results-oriented enterprises .

The Agile **Market** Opportunity
The **Company** 's **market** opportunity is driven by:

* a fundamental change in manufacturing, which is relying more and more...

...developed and released three revisions of its product; and implemented more than one hundred customer **sites** . Key customers include Aspect Telecommunications, Northern Telecom, Hitachi, Westinghouse Electronics, Packard Bell, and BF Goodrich...

...an Oracle Cooperative Applications Initiative (CAI) Partner, a Microsoft (Nasdaq: MSFT) Solution Provider, and a **Netscape** (Nasdaq: NSCP) Alliance DevEdge Gold Partner.

SOURCE Agile Software Corporation

-0- 05/06/97
/CONTACT...

15/3,K/14 (Item 12 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00780815

00781254

Ron Weissman, NeXT Computer's former vice president, joins Verity marketing.

Business Wire
DATELINE: SUNNYVALE, Calif. May 27, 1997 WORD COUNT: 829

...Prior to joining Verity, Weissman was vice president of sales and marketing for the Filoli **Information Systems Company** , a provider of software solutions for insurance and healthcare. Prior to Filoli, he spent more...

...T, CNET, Cisco, Compaq, Dow Jones, Financial Times, Individual Inc., Informix, NEC, Lotus Development Corp., **Netscape** Communications, PC DOCS, SAP, SCO, Siemens Nixdorf, Sybase, Tandem and Times Mirror Pathfinder.

About Verity...

...Microsoft Exchange.

Verity is expanding the product line to include SEARCH'97 Personal products for **Netscape** Navigator and Microsoft **Explorer**, which are shipping now. IntelliServ for SEARCH'97 is scheduled for general availability in May...

...Commission.

For more information contact Verity at info@verity.com or at the World Wide **Web** site <http://www.verity.com/> or by calling 408/541-1500. -0-

NOTE TO EDITORS: Verity and **SEARCH** '97 are **Trademarks** of Verity, Inc. in the United States and other countries. All other trademarks are the...

15/3,K/15 (Item 13 from file: 621)

DIALOG(R)File 621:IAC New Prod.Annou.(R)

(c) 1998 Information Access Co. All rts. reserv.

00778231

00778670

Aonix to Web-Enable Corporate Mainframes With Beyond Software's Web Servers And Aonix' 4GL Technology

PR Newswire

DATELINE: SAN FRANCISCO May 13, 1997 WORD COUNT: 1349

...and VM

Environments to Customers Who Want to Access Critical Mainframe Applications

And Data Via **Web** **Browsers**

SAN FRANCISCO, May 13 /PRNewswire/ -- In a move geared to expand its array of solutions...

...to the server platform, copy data from the host to the server, or implement a **link** between the server and the host data. Instead, RP/Web allows the passing (or updating...

...allows access to a wide range of mainframe data sources, heterogeneous joining and manipulation of **data**, and **production** of reports, tables, and download files using the power of NOMAD's data descriptions, rule...

...the third quarter of 1997. The RP/Web product package includes ten days of on-**site** consulting and training services designed to give application developers the skills to ...that simplify enterprise

computing. Other products from Beyond Software include Enterprise View(TM), a text **browser** for the VM operating system that provides 3270 terminal users with easy access to **Web** **site** information, and EnterpriseWeb Calendar(TM), a Web server add-on that provides **Web** **browsers** access to the IBM OfficeVision/VM calendar environment.

About Aonix

Aonix, with headquarters in San...

...are registered trademarks and RP/Web is a trademark of Aonix Corporation. Beyond Software and **EnterpriseWeb** are **trademarks** of Beyond Software Incorporated. All other **company** and **product** **names** are the trademarks of their respective companies.

SOURCE Aonix

-0-

05/13/97

/CONTACT: Spike...

15/3,K/16 (Item 14 from file: 621)
DIALOG(R) File 621:IAC New Prod. Annou. (R)
(c) 1998 Information Access Co. All rts. reserv.

00778184

00778623

OneWave Adds Support for Sun Solaris Operating System

PR Newswire

DATELINE: WATERTOWN, Mass. May 13, 1997 WORD COUNT: 655

...OneWave AIS manages interaction between application clients, such as those built with Java, ActiveX or **Netscape** plug-ins, and back-end resources, such as Enterprise Resource Planning (ERP) packages, mainframe applications...

...a complete solution. For additional information about OneWave, please access the company's World Wide **Web site** at <http://www.onewave.com>, send email to info@onewave.com, or call 617-923...

...dated March 28, 1997.

NOTE: OneWave(TM), OneWave Application Integration Server(TM) (AIS) and OneWave **Enterprise** (TM) are **trademarks** of OneWave, Inc. Other **company names** or trademarks may be registered trademarks or trademarks of their respective owners.

SOURCE OneWave, Inc...

15/3,K/17 (Item 15 from file: 621)
DIALOG(R) File 621:IAC New Prod. Annou. (R)
(c) 1998 Information Access Co. All rts. reserv.

00769926

00770365

Netscape Reports Revenues of \$120 Million for First Quarter 1997

PR Newswire

DATELINE: MOUNTAIN VIEW, Calif. April 23, 1997 WORD COUNT: 1346

New Products, Partnerships and Programs Enhance Enterprise Position

MOUNTAIN VIEW, Calif., April 23 /PRNewswire/ -- **Netscape** Communications Corporation (Nasdaq: NSCP) today reported revenues totaling \$120.2 million for the first quarter...

...0.04
per share, in the same period a year ago.

"In the first quarter, **Netscape** made solid progress in delivering the products, programs and partnerships that will help establish **Netscape** software in the enterprise market," said Jim Barksdale, president and chief executive officer of **Netscape**. "**Netscape**'s server business continues to grow, especially in the email and groupware arena, positioning us well for the scheduled release of **Netscape** Communicator(TM) and SuiteSpot(TM) 3.0 in the second quarter. Business customers such as...

...others continue to

build toward our vision of the Networked Enterprise."

During the first quarter, **Netscape** continued toward its goal of providing products and programs for the Networked Enterprise. A white paper by **Netscape** co-founder Marc Andreessen on "The Networked Enterprise" provides **Netscape** customers with a roadmap for next-generation client and server products and lays out **Netscape** 's vision of how, through Extranets, companies can extend the benefits of Intranets to customers, partners, suppliers and distributors.

In February, **Netscape** released beta versions of its **Netscape** SuiteSpot 3.0 server software family and **Netscape** Communicator client software suite. With these new products, customers have access to all of the components of the open email and groupware solution **Netscape** announced last fall. **Netscape** SuiteSpot 3.0 and **Netscape** Communicator, which include enhanced security and administration and other key enterprise features, have already received numerous positive **reviews** and **product** awards, building momentum for their final release scheduled for the second quarter 1997.

Netscape launched a series of programs in the first quarter to further accelerate the adoption and deployment of its products in the **enterprise market** . The **company** announced a five-tiered support program to deliver support levels designed to match business needs. In addition, **Netscape** introduced its Enterprise Migration Program, bundling electronic mail migration tools, pre- and post-sales support from **Netscape** and systems integrator partners including KPMG and Cambridge Technologies, and other services to make it easy for customers to purchase and deploy **Netscape** 's client and server software for their Intranet and messaging applications. **Netscape** unveiled the **Netscape** Solution Expert Program to provide resellers, consultants, and system and network integrators with useful programs and tools for developing, selling and supporting enterprise Intranet and Extranet solutions. **Netscape** and software vendor, PeopleSoft, announced they will work together to help customers extend the benefits of enterprise applications. **Netscape** also announced that Corel would integrate **Netscape** Communicator with several of its office products.

Netscape messaging solutions also continue to gain momentum. To date, the company has received more than 5 million subscriptions to its **Netscape** In-Box Direct program, which delivers news and information directly to the email boxes of **Netscape** mail users. In addition, IDC's preliminary estimates indicate that **Netscape** Navigator(TM) gained more business users in 1996 than any single email client: 5.5 million worldwide.

To make it easy to create applications for the **Netscape ONE** platform, **Netscape** announced **Netscape** Visual JavaScript, a graphical programming tool that enables developers to build JavaScript applications without writing code. **Netscape** and Sun Microsystems also announced that they are combining their technologies to jointly develop Java...

...comprehensive set of tools for
defining the look and feel of Java applications.

In March, **Netscape** joined with Novell to announce Novonyx, a new company formed to adapt, integrate and sell the **Netscape** SuiteSpot family of server software on the Novell IntranetWare networking platform. Novell has the largest...
...more than four million servers running the Novell network operating system.

The popularity of the **Netscape** Internet **site** continued to grow in the first quarter, attracting more than 126 million hits per day. **Netscape** announced several significant business agreements related to the **site** . **Netscape** and Yahoo! announced a high-profile Internet

information navigation service, called **Netscape** Guide by Yahoo!, which will be accessible from the **Netscape** site . In addition, **Netscape** teamed with key search providers to create an improved **Netscape** Search page. ABC News also formed a relationship with **Netscape** , enabling visitors to the **Netscape** site to have easy, point-and-click access to regularly updated ABC news headlines directly from the **Netscape** home page , and making **Netscape** the preferred provider of client and server software for ABCNEWS.com. In addition, ABC's Internet site will take advantage of the unique features of **Netscape** Communicator.

Netscape Communications Corporation is a leading provider of open software for linking people and information over...

...platform for next-generation, live on-line applications. Traded on Nasdaq under the symbol "NSCP", **Netscape** Communications Corporation is based in Mountain View, California.

Additional information on **Netscape** Communications Corporation is available on the Internet at <http://home.netscape.com>, by sending email to info@netscape.com or by calling 415-937-2555 (corporations) or 415-937-3777 (individuals).

NOTE: **Netscape** is a trademark of **Netscape** Communications Corporation, which is registered in the United States and other jurisdictions. **Netscape** Communications, **Netscape** SuiteSpot, **Netscape** Navigator, **Netscape** Communicator and the **Netscape** Communications logo are trademarks of **Netscape** Communications Corporation.

NETSCAPE COMMUNICATIONS CORPORATION
CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS
(in thousands, except per share data)
(Unaudited)

	Three...04	\$0.09
Shares used in computing net income per share	85,003	90,785

NETSCAPE COMMUNICATIONS CORPORATION
CONDENSED CONSOLIDATED BALANCE SHEETS
(in thousands)

	December 31, 1996	March 31 1997
ASSETS...		
...Other	(17)	393
Total stockholders' equity	390,650	403,942
	\$537,450	\$570,821

SOURCE **Netscape** Communications Corp.
-0- 04/23/97

/CONTACT: media, Jennifer O'Mahony, 415-937-3084, or jom@netscape.com, or financial, Quincy Smith, 415-937-3757, or quincy@netscape.com, both of **Netscape** /

(NSCP)

CO: **Netscape** Communications Corp.
ST: California
IN: CPR MLM
SU: ERN

RB
-- SFW060 --
9467 04/23/97...

15/3,K/18 (Item 16 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00764271

00764710

**Aurum Software and Beologic: Web-Based Sales Configurator Empowers
Unassisted Selling Over the Internet**

PR Newswire

DATELINE: SANTA CLARA, Calif., and COPENHAGEN, Denmark April 17, 1997

WORD COUNT: 1136

...of platform for the configuration, PC or Web, you will only have to maintain one **product description** model, instead of several. This makes our solution state-of-the-art in this area...

...or NC is the same as that in the Windows environment. And, the maintenance of **product** and services **descriptions** in the salesPLUS Definer is independent of the platform of the client user."

From a technical point of view, the new Internet version will be based on Java-enabled Internet **browsers** (such as Microsoft Internet **Explorer** 3.0 or **Netscape** Navigator 3.0). The flexibility of Java is fully exploited in the salesPLUS Web-based solution. Unlike the common "application-in-a-browser" approach, the salesPLUS interface integrates seamlessly with the **Web page**. Niels Bo Theilgaard, Beologic executive VP of engineering said, "In short, salesPLUS takes full advantage..."

...a product before purchase. Still this company has to develop and maintain only one single **product description** model."

"We see this as a major step in the world of sales configuration and...Aurum Software at
800-683-8855.

NOTE: Aurum Software is a registered trademark. Aurum Customer **Enterprise** is a **trademark**. All other **company** and **product names** may be trademarks of the respective companies with which they are associated. All trademarks and...

15/3,K/19 (Item 17 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00762654

00763093

VLSI Technology reports \$0.19 earnings per share up from \$0.07 EPS a year ago; First quarter revenues total \$177.7 million.

Business Wire

DATELINE: SAN JOSE, Calif. April 17, 1997 WORD COUNT: 1180

...modems.

VMS230 GhostRider(TM) -- A data encryption/decryption chip solution for PCI based computers, modems, **web browsers** and set top boxes.

In February, VLSI announced its intention to repurchase additional shares of...

...FSB(TM) functional system blocks(TM) library. Targeting its offerings toward the

communications, consumer digital **entertainment** and computing **markets**, the **company** offers its customers advanced system-level integration capabilities. The company is based in San Jose...

...with 1996 revenues of \$717 million, and approximately 3,000 employees worldwide. Visit VLSI's **homepage** at <http://www.vlsi.com> . -0-

VLSI TECHNOLOGY, INC.

Summary Consolidated Financial Statements

(Thousands except...blocks and System-Level

Silicon are trademarks of VLSI Technology, Inc. All other brand or **product names** are trademarks and/or registered trademarks of their respective owners.

CONTACT: VLSI Technology, Inc.
John...

15/3,K/20 (Item 18 from file: 621)
DIALOG(R) File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00754692

00755130

Datastream Announces Final Release of MP2 Enterprise With Visual Navigation Link

PR Newswire

DATELINE: GREENVILLE, S.C. March 31, 1997 WORD COUNT: 621

...thin client, client/server computerized maintenance management software (CMMS) application complete with a visual navigation **link** called MP2 **Explorer** (TM).

MP2 **Explorer** helps eliminate the complexity of gathering and locating mission-critical maintenance data on an enterprise level. In creating this visual **link** for the manufacturing and facility industries, Datastream teamed with DataSphere Technologies, Inc., the developer of...

...Computer

Aided Facilities Management (CAFM) software package. Using tools such as a Navigator(TM), Knowledge **Browser** (TM), Query Wizard and a set of Agents, users can graphically tour plant and facility environments to identify critical maintenance areas or locate specific pieces of equipment.

MP2 **Explorer** can then access all maintenance-related information stored in MP2 Enterprise, including work orders, preventive maintenance...

...AutoCAD drawings, photographs, renderings, animations and VRML/HTML documents can also be integrated within MP2 **Explorer** providing the "whole picture" for maintenance and asset management. MP2 **Explorer** was developed for Windows(R) 95 and NT(R) using OLE automation technology.

"As a...

...to visual navigation capabilities, Version 5.0 operates efficiently in a WAN environment, supporting multi-site inventory management, global security and centralized purchasing. The **product** also provides **data** to investigate equipment downtime and assist in root cause failure analysis. Datastream introduced MP2 **Explorer** at a joint press conference with Microsoft during National Manufacturing Week in Chicago on Tuesday...

...number of units sold

Datastream and MP2 are registered trademarks of Datastream Systems, Inc.

MP2 **Enterprise** is a **trademark** of Datastream Systems, Inc.

Resource Manager, Navigator and Knowledge **Browser** are trademarks of DataSphere Technologies, Inc.

Microsoft, Windows, Windows NT and BackOffice are either registered...

...S ADVISORY: If you are interested in viewing additional information on Datastream, please visit our **Web page** at <http://www.dstm.com>. For a screen capture of MP2 **Explorer**, please call contact below/

/CONTACT: Melissa Morrell, Investor and Public Relations Manager, Datastream Systems, Inc...

15/3,K/21 (Item 19 from file: 621)

DIALOG(R)File 621:IAC New Prod.Annou.(R)

(c) 1998 Information Access Co. All rts. reserv.

00748968

00749406

Lawson, 'The Web Enterprise Company,' Named #1 By IDC for 1996 Web Enterprise Application Revenue

PR Newswire

DATELINE: BOSTON March 17, 1997 WORD COUNT: 897

...its web products, and in February 1996 became the first among the leading client/server **enterprise** applications **companies** to **market** and install a commercially available web-deployable, fully integrated suite of financials, human resources, procurement...

...functionally, Lawson's financial, human resources, procurement and supply chain management applications through their favorite **web browser**.

Second, Lawson is shipping specialized self-service applications that are completely integrated with the related...

...internal requests for maintenance, repair and operating supplies.

Lawson includes an interactive demonstration on its **web site** (<http://www.lawson.com>) for those interested in examining the reality of Web-based solutions...

...San Francisco; Seattle; Toronto; and Washington, D.C.; with affiliates in Europe and Africa. Additional **information** about the **company** and its products and services is available on the company's **Web site**, URL : <http://www.lawson.com> or by calling 800-477-1357.

Lawson is a registered **trademark** of Lawson Software. Other **company** and **product names** are the **trademarks** of their respective companies.

SOURCE Lawson Software

-0-

3/17/97

/CONTACT: Judith Rothrock, Vice...

15/3,K/22 (Item 20 from file: 621)

DIALOG(R)File 621:IAC New Prod.Annou.(R)

(c) 1998 Information Access Co. All rts. reserv.

Beyond Software Expands Mainframe Internet Product Line

PR Newswire

DATELINE: SAN JOSE, Calif. March 3, 1997 WORD COUNT: 951

...while providing access to important intranet applications and the Internet.

Enterprise View is a text **browser** for the VM operating system that provides 3270 terminal users with easy access to **Web site** information. EnterpriseWeb Calendar is a Web server add-on that provides **Web browser** access to the IBM OfficeVision/VM calendar environment. And, EnterpriseWeb/MVS is a high performance...

...having access to intra/Internets, there is a definite requirement to bring Web server and **browser** capability to this huge population," according to Carl Greiner, Vice President and Director of Enterprise...

...second
largest desktop in use after Windows 3.x.

As a native VM/CMS text **browser**, Enterprise View is centrally installed and can be easily integrated with existing security and application...

...3270 terminals don't display graphics, Enterprise View allows 3270 users access to the same **Web page** text as PCs and other desktop **browser** users. 3270 users can easily access all **Web page** text, including data displayed in tables and forms.

"A VM text **Web browser** allows us to give over 1000 users access to the World Wide Web, who otherwise...

...an upgraded version of Beyond Software's shareware product Aranea(TM). Enterprise View provides enhanced **URL** handling to expedite access to **Web sites** and optional PF key settings to accommodate CUA and PROFs users.

Graphical **Web Browser** Access to IBM's OfficeVision/VM EnterpriseWeb Calendar updates the current OfficeVision calendar character interface with a graphical **Web browser** interface. EnterpriseWeb Calendar allows customers to easily deploy an enterprise wide corporate calendar solution for all users, even those without VM user IDs. OfficeVision users can use their **Web browsers** to easily view their calendars by day or month, find available meeting times and schedule...

...EnterpriseWeb/VM,
Beyond's Web server for the VM operating system, and supports HTML compliant **browsers**, such as **Netscape** Navigator and Microsoft Internet **Explorer**.

Powerful Web Server for MVS

EnterpriseWeb/MVS is a World Wide Web server for the...

...the VM/CMS operating system.

NOTE: Beyond Software, Enterprise View, EnterpriseWeb/VM, EnterpriseWeb/MVS and **EnterpriseWeb** Calendar are **trademarks** of Beyond Software, Incorporated. IBM, VM, MVS, OS/390 and OfficeVision are registered **trademarks** of IBM Corporation. All other **company** and **product names** are registered **trademarks** of their respective owners.

SOURCE Beyond Software Inc.

-0-

03/03/97

/CONTACT: Ron Kohl...

15/3,K/23 (Item 21 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00738529

00738967

OneWave Extends PeopleSoft to Corporate Intranet for Cadence Design Systems

PR Newswire

DATELINE: WATERTOWN, Mass. Feb 24, 1997 WORD COUNT: 624

...that extends its
existing PeopleSoft applications to a target audience of 500 people
worldwide via **Netscape** browsers .

The OneWavesolution enables Cadence employees to securely access
PeopleSoft applications from PC and UNIX clients...

...Jose, Calif. and traded on the New York Stock
Exchange under the symbol CDN. More **information** about the **company** ,
its products and services may be obtained from the World Wide Web at
<http://www...>

...to the Internet. For
additional information about OneWave, please access the company's
World Wide **Web** site at <http://www.onewave.com>, send e-mail to
info@onewave.com, or call 617-923-6500.

NOTE: OneWave and OneWave **Enterprise** are **trademarks** of OneWave, Inc.
Other **company** and **product** names may be trademarks of the respective
companies.

SOURCE OneWave, Inc.

-0-

2/24/97

/CONTACT...

15/3,K/24 (Item 22 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00733013

00733451

Apertus Announces New Internet and Application Integration Focus.

Business Wire

DATELINE: EDEN PRAIRIE, Minn. Feb 18, 1997 WORD COUNT: 683

...Enterprise/Access solution, Apertus has deepened its
commitment to Internet/intranet technologies like those of **Netscape**
Communications Corporation. "Apertus allows companies to build on
Netscape technology based on the **Netscape** ONE platform and address
enterprise integration issues to provide rich resources and
solutions for the Internet and intranet," said Danny Shader, vice
president of industry and developer relations at **Netscape** .

About the Internet Program Enterprise/Connect is a comprehensive
communication server solution that provides access to mainframe
applications, including terminal emulation, print, and file
transfer, via standard **Web** browsers . Enterprise/Connect combines

low cost, low administration client software with scaleable, high performance server software...

...legacy

applications to these new server frameworks.

"Apertus has taken a holistic approach with their **Internet** Program by **addressing** the key issues concerning mainframe IT managers today: **Web browser** interactive access, Web-to-SNA integration, and Web extension of existing business applications," said Donald...

...Technologies, call 800-793-3509,

send e-mail to info@apertus.com, or visit Apertus' **Web site** at <http://www.apertus.com>.

Apertus is a registered **trademark** of Apertus Technologies Incorporated. Enterprise/Connect, Enterprise/Access, and **Enterprise** /Integrator are **trademarks** of Apertus Technologies Incorporated. Other **names** , **products** , and services mentioned are the **trademarks** or registered **trademarks** of their respective vendors or organizations.

Features and specifications subject to change. **Netscape** is a **trademark** of Netscape Communications Corporation which is registered in the United States and other jurisdictions. The **Netscape** Communications Corporation **logo** and **Netscape product names** are **trademarks** of Netscape Communications Corporation which may be registered in some jurisdictions.

CONTACT: Apertus Technologies Incorporated
Press Relations...

15/3,K/25 (Item 23 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00733010

00733448

Apertus Launches Internet-to-Mainframe Connectivity Suite;
Enterprise/Connect Provides Java-based Access to IBM Host Services Via
Web.

Business Wire

DATELINE: EDEN PRAIRIE, Minn. Feb 18, 1997 WORD COUNT: 527

...server solution that provides Internet access to mainframe and AS/400 services from a standard **Web browser** . Displayed and managed within an intuitive **browser** -based graphical interface, Enterprise/Connect delivers terminal emulation, print, and file transfer capabilities to Internet...

...companies, providing reliable, low cost access for thousands of clients to IBM host resources."

Any **Web browser** can use Enterprise/Connect to access mainframe terminal, file transfer, and print services, providing a...
...Java-based software provides familiar native "green screen" functionality as well as an intuitive graphical **browser** -based administration. Enterprise/Connect runs on industry-standard server hardware, including AIX, Solaris, and UnixWare...

...and authentication.
Apertus will also add the capability to send mainframe print jobs to a **browser** -attached printer.

About Apertus Apertus Technologies Incorporated, with annual sales

in excess of \$40 million...

...Prairie, Minnesota, Apertus has sales and service offices throughout North America and Europe.

For more **product information**, call 800-793-3509, send e-mail to info@apertus.com, or visit Apertus' **Web site** at <http://www.apertus.com>.

Apertus is a registered trademark of Apertus Technologies Incorporated. Enterprise/Connect, Enterprise/Access, and **Enterprise** /Integrator are **trademarks** of Apertus Technologies incorporated. Other **names**, **products**, and services mentioned are the trademarks or registered trademarks of their respective vendors or organizations...

15/3,K/26 (Item 24 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00732351

00732789

Verity Announces the Creation of Two Product Groups and Management Changes; Hires VP for Customer Services Group and Creates Desktop and Server Product Groups.

Business Wire
DATELINE: SUNNYVALE, Calif. Feb 14, 1997 WORD COUNT: 1136

...Principal Architect at Hewlett-Packard's System Technology Group, working on object and object relational **database products**.

Jurgen started his career at Hewlett-Packard Laboratories, where he worked as a researcher and...

...Adobe Systems, AT&T WorldNet, Dow Jones, Hitachi, Individual Inc., Informix Software, Lotus Development Corp., **Netscape** Communications, PC DOCS, SAP, SCO, Sybase Inc., ...Commission.

For more information contact Verity at info@verity.com or at the World Wide **Web site** <http://www.verity.com/> or by calling 408/541-1500.

-0- Note to Editors: Verity and **SEARCH '97** are **Trademarks** of Verity Inc. in the United States and other countries. All other trademarks are the...

15/3,K/27 (Item 25 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00725328

00725764

InReference Selects Verity's SEARCH'97 Platform for New Online Internet Forum Service.

Business Wire
DATELINE: SUNNYVALE, Calif. Feb 3, 1997 WORD COUNT: 778

...available now.

InReference is a new company with advanced expertise in databases, email, hypermedia and **information** retrieval. The **company** recently launched Reference.COM to empower digital communities by enhancing access to a wealth of...

...Exchange. Verity is expanding the product line to include its SEARCH'97 Personal products for **Netscape** Navigator and Microsoft **Explorer**, which are scheduled for availability in February 1997, as well as a number of intelligent...

...focused on developing a new generation of customer-driven marketing solutions for the Internet that **link** customers, businesses and organizations with similar interests. These new technologies will provide the Internet community...

...94089

by calling (408) 541-7600, by fax at (408) 541-7637 or through its **web site** at <http://www.inreference.com>

About Verity

Verity Inc. was founded in April 1988 and...

...Adobe Systems, AT&T WorldNet, Dow Jones, Hitachi, Individual Inc., Informix Software, Lotus Development Corp., **Netscape** Communications, PC DOCS, SAP, SCO, Sybase Inc., WavePhone and many others.

This release contains forward...

...EDITORS: For more information contact Verity at info@verity.com or at the World Wide **Web site** <http://www.verity.com/> or by calling 408-541-1500. Verity and **SEARCH '97** are **Trademarks** of Verity Inc. in the United States and other countries. All other trademarks are the...

15/3,K/28 (Item 26 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00724436

00724872

Frontier Software's WebCast delivers industry's first Web access to end-to-end network traffic reports, troubleshooting.

Business Wire

DATELINE: CHELMSFORD, Mass. Jan 20, 1997 WORD COUNT: 1337

...With WebCast software providing access to Frontier NETscout(R) Manager's reporting capabilities through common **Web browsers**, network managers can see end-to-end network reports through all seven layers of traffic...

...detail than any competing product can offer.

WebCast automatically converts NETscout Manager traffic reports into **Web pages** that can be read quickly and easily by authorized users throughout a distributed computing network...

...WebCast to configure probes and agents on a network or edit agent configurations through a **Web browser**. For example, managers can use WebCast to view utilization reports and host lists for IP...

...a handful of products let managers view network traffic reports, traps and alarms through a **Web browser**. None, however, could show the network end to end or offer application-level reporting. Also...

...and a service call comes in on my pager, I can go out on

any **Web browser** at any computer and look at the traffic reports to find out what's going...

...unlimited numbers of users and requires no additional training because it works through universally familiar **Web browsers**. WebCast's advanced reporting and management capabilities come at about three percent of a dedicated...

...from constantly running reports for non-technical co-workers. Most network users are familiar with **Web browsers**, and WebCast's graphical reporting presents information in an easy-to-understand manner. WebCast's...This is especially important for newer network topologies such as switched LANs and Frame Relay **links**, where reporting for switch ports and WAN DLCs requires support of an unprecedented number of...

...build manageable, scalable networks with extensive instrumentation. With WebCast, any data aggregated at these remote **sites** can be accessed through a **Web browser**.

Pricing and availability

WebCast, an optional component of Frontier's NETscout Manager management console, and...

...monitoring for distributed enterprise networks.

Frontier Software is headquartered in Chelmsford, Mass. Company news and **product /service information** are available on Frontier's **Web site** : <http://www.frontier.com>.

-0- NETscout is a registered trademark and WebCast and **EnterpriseMON** are **trademarks** of Frontier Software Development, Inc. All other trademarks, service marks, registered trademarks or registered service...

15/3,K/29 (Item 27 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00724314

00724750

VLSI VMS230 GhostRider Security Chip Sets New Standards for PC-based Data Encryption/Decryption; Single Chip Solution Tackles Wide Range of New Media Data Security Applications, Important Pillar of Microsoft Interactive PC/TV Initiative.

Business Wire

DATELINE: SAN FRANCISCO Jan 28, 1997 WORD COUNT: 1039

...WIRE)--Jan. 28, 1997--VLSI Technology, Inc. (NASDAQ: VLSI) will make PCI based computers, modems, **web browsers** and set-top-boxes safer for intellectual property distribution and electronic commerce through the hardware...

...of intellectual property," commented Umesh Padval, senior vice president and general manager of VLSI computing **products**. "The GhostRider **data** security processor converts the PC into a very attractive platform for electronic commerce and content...
...and became a fully independent company -- separate from AT&T -- on Sept. 30, 1996. Further **information** about the **company** is available at <http://www.lucent.com>.

About VLSI Technology, Inc.

VLSI Technology, Inc. designs...

...FSB(TM) functional system blocks(TM) library. Targeting its offerings toward the communications, consumer digital **entertainment** and computing **markets**, the **company** offers its customers advanced system-level integration capabilities. The company is based in ...with 1996 revenues of \$717 million, and approximately 3,000 employees worldwide. Visit VLSI's **homepage** at <http://www.vlsi.com>.
-0-

Note to Editors: FSB, functional system blocks, GhostRider, vROM and System-Level Silicon are trademarks of VLSI Technology, Inc. All other brand or **product names** are trademarks and/or registered trademarks of their respective owners.

CONTACT: VLSI Technology
Martin Chorich...

15/3,K/30 (Item 28 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00706543

00706543

Information Dimensions 'BASIS V8' Turbo Charges Document Management Engine

PR Newswire
DATELINE: PARIS, LONDON, NEW YORK, and FRANKFURT Dec 10, 1996
WORD COUNT: 1673

...ultra-fast performance. Other document management systems bog down their applications by joining different vendors' **databases** and retrieval **products**, requiring duplicate queries to go separately to each vendor's software. This duplication means the...Dimensions is the world's number-two document management software provider(A), with 2,600 **sites** installed worldwide. For more than ten years, its BASIS family of products has delivered large...

...are trademarks of Information Dimensions or its affiliates in the USA and certain other countries. **Netscape**, **Netscape Communications** and **Netscape Enterprise Server** are **trademarks** of **Netscape Communications Corporation**. Microsoft and Windows NT are either registered trademarks or trademarks of Microsoft Corp...

15/3,K/31 (Item 29 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00703086

00703086

SELECT Software Tools announces SELECT Component Manager to support Microsoft's Component Information Model.

Business Wire
DATELINE: SANTA ANA, Calif. Nov 27, 1996 WORD COUNT: 712

...SELECT Component Manager enables components held in a repository, either locally or at a remote **Web site** to be stored, browsed and registered for re-use. It extends the functionality of a...

...leverage line-of-business expertise as well as emerging classes of business objects, ActiveX

controls, **Netscape** plug-ins and Java applets by 1999/2000."

Stuart Frost, founder and chief executive officer...

...229700

or, via the World Wide Web at <http://www.selectst.com> -0-

NOTE: **SELECT Enterprise** is a **trademark** of SELECT Software Tools.
All other brand or **product names** are trademarks or registered
trademarks of their respective companies.

CONTACT: SELECT Software Tools Inc., Santa...

15/3,K/32 (Item 30 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00702971

00702971

**SELECT Software Tools Announces SELECT Component Manager(TM) to Support
Microsoft's Component Information Model**

PR Newswire

DATELINE: SANTA ANA, Calif. Nov 27, 1996 WORD COUNT: 785

...SELECT Component Manager enables components held in a
repository, either locally or at a remote **web site** to be stored,
browsed and registered for re-use. It extends the functionality of
a...

...leverage line-of-business
expertise as well as emerging classes of business objects, ActiveX
controls, **Netscape** plug-ins and Java applets by 1999/2000."

Stuart Frost, Founder and CEO of SELECT...

...1242 229700, or
via the World Wide Web at <http://www.selectst.com>.
NOTE: **SELECT Enterprise** is a **trademark** of SELECT Software Tools.
All other brand or **product names** are trademarks or registered
trademarks of their respective companies.

For more information on SELECT Software...

15/3,K/33 (Item 31 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00699395

00699395

Visio Unleashes Power of Visio Technical in New Version

PR Newswire

DATELINE: LAS VEGAS Nov 18, 1996 WORD COUNT: 1413

...and the Internet and corporate intranets
as simple as possible. The Hyperlinking Wizard automatically
creates **links** from a Visio Technical drawing to a **URL** address, as
well as to another page or document. In addition, the Save as HTML...

...Microsoft's
new ActiveX(TM) technology, Visio Technical drawings can be embedded
within Microsoft Internet **Explorer** as fully editable objects, rather
than bitmap graphics. This permits any Visio Technical user viewing...

...the
drawing.

Enhanced Database Integration

Originally introduced in Visio Technical 4.1 so users could **link** to existing data without programming, the Database Connectivity Wizard now offers support for more databases...

...to generate a stencil of shapes representing all records in a database table, and to **link** to more ShapeSheet(TM) cells, where the properties of each SmartShapes(R) symbol are defined. Also, users can now **link** shapes to queries and therefore can establish **links** to multiple **database** tables.

Productivity Enhancements

Visio Technical 4.5 supports automatic layout and intelligent line routing for diagrams such...ext. 93W. Additional details about Visio can also be obtained on CompuServe or Visio's **Web page** at <http://www.visio.com/>.

Visio Technical 4.5 Debuts at COMDEX

Visio Technical 4...

...additional Windows-based products for the creation, storage and exchange of drawings and diagrams throughout **enterprises**. The **company markets** the Visio product line in more than 26 countries throughout North America, South America, Europe and Asia.

NOTE: Visio and SmartShapes are registered **trademarks** and ShapeSheet and Visio Express are **trademarks** of Visio Corp. Microsoft, Visual Basic, Windows NT, IntelliMouse, ActiveX and Windows are either registered **trademarks** or **trademarks** of Microsoft Corp. in the United States and/or other countries. All other **trademarks** are held by their respective companies.

SOURCE Visio Corp.

-0-

11/18/96

/CONTACT: Melissa...

15/3,K/34 (Item 32 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00699140

00699140

Baylor Health Care System Chooses Action Technologies and Netscape for Intranet-Based Healthcare Applications; Action Metro, Netscape Navigator and Netscape Commerce Server Software Coordinate Work Via the Web, Cut Cycle Times and Pharmaceutical Costs for Eight-Hospital System.

Business Wire

DATELINE: ALAMEDA, Calif. Nov 20, 1996 WORD COUNT: 1428

ALAMEDA, Calif.--(BUSINESS WIRE)--Nov. 20, 1996--Action Technologies Inc., and **Netscape** Communications Corp. (NASDAQ:NSCP) today announced that Baylor Health Care System (BHCS) of Dallas has...

...an Intranet-based coordination application for internal contract review created with Action Technologies' Action Metro, **Netscape** Navigator client software and **Netscape** Commerce Server software.

The Metro application enables BHCS' eight hospitals to radically accelerate its review...

...Pickton. "The business requirements had to be at the design center. Action Technologies' Metro and **Netscape** products satisfied this objective."

Metro Applications Developed Within Weeks

Metro is a Web-based environment...

...initial investment within a few months.

"Baylor Health Care System's selection of Metro and **Netscape** client and server software provides another example of how organizations are harnessing the collaborative power...

...Web for cost-effective business applications," said Mike Homer, senior vice president of marketing at **Netscape**. "We see Action Technologies as a valuable partner in delivering business-ready Intranet solutions to...

...Metro makes possible the delivery of this new breed of applications." "With Metro applications and **Netscape** client and server software based on the open standards of the Internet, organizations can expect...Joel Allison is the chief operating officer and deputy chief executive officer of BHCS.

About **Netscape**

Netscape Communications Corp. is a premier provider of open software for linking people and information over...

...complete platform for next-generation, live online applications. Traded on NASDAQ under the symbol "NSCP," **Netscape** Communications Corp. is based in Mountain View, Calif.

Additional information on **Netscape** Communications Corp. is available on the Internet at <http://home.netscape.com>, by sending email to info@netscape.com or by calling 415/937-2555 (corporate customers) or 415/937-3777 (individuals).

About...

...sales force as well as through systems integrators, VARs and distributors in 25 countries. Additional **information** and **product** demonstrations are available on Action Technologies' **web site** at <http://www.actiontech.com>. -0-

Note to Editors: (C) 1996 Action Technologies Inc., Action...

...are registered trademarks of Action Technologies Inc. Metro is a trademark of Action Technologies Inc. **Netscape**, **Netscape** Navigator and **Netscape** Enterprise Server are trademarks of **Netscape** Communications Corp. All other **company** and **product** names may be trademarks of their respective holders.

Graphics available at <http://www.actiontech.com/market...>

...htm

CONTACT: Action Technologies Inc.
Sumi Shohara, 510/748-1045
sumi.shohara@actiontech.com
or
Netscape Communications Corp.
Jody Kramer, 415/937-3989
kramer@netscape.com
or

Integrated Healthcare Solutions
Patty McKinney, 770/423-8419
patty.mckinney@hie.com
or...

15/3,K/35 (Item 33 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00696193

00696193

**BASIS Web Document Management Gives United Nations Agency New Weapon In War
Against Hunger**

PR Newswire

DATELINE: DUBLIN, Ohio and ROME, ITALY Nov 13, 1996 WORD COUNT: 1026

...Food and Agricultural Organization World
Food Summit with Web System for Instant Access to Agricultural Productio
n

Information and News from Daily Summit

DUBLIN, Ohio and ROME, ITALY, Nov. 13 /PRNewswire/ -- Information
Dimensions...

...It enables FAO staff to search for and retrieve
information across multiple platforms using common **Web browsers** .

The FAO's repository will include 150,000 library records,
photography, video, audio, movie clips...
...projects listed in this valuable
database.

At the summit in Rome, a firewall-secured Internet **link** will give
participants access to the FAO Intranet, where they can find the
latest research....

...a
public commitment to ending world hunger and planning a world food
security strategy. The **site** will be available during and after the
summit.

ID Technology, Information Dimensions' Milan, Italy-based...

...Information Dimensions' technology since 1994. ID
Technology is responsible for commercial and technical support for
Information Dimensions' products . Its extensive document management
experience has been realized in integration projects for large
government organizations...

...in the world, as well as Banca d'Italia, Telecom
Italia and ENI (National Petroleum **Company**).
About **Information Dimensions**

From Fortune 500 companies to the federal government, organizations
are capitalizing on the power...

...Dimensions is the world's #2 document management software
provider(1), with over 2,600 **sites** installed worldwide. For more
than ten years, its BASIS family of products has delivered
large...

...such as 3M, Boeing, Shell, SAAB, the
Pentagon and NASA. As a prominent partner of **Netscape** , Information
Dimensions also delivered the industry's first rapid- deployment
document management solution for the...

...are trademarks of Information Dimensions or its affiliates in the USA and certain other countries. **Netscape**, **Netscape Communications** and **Netscape Enterprise Server** are trademarks of **Netscape Communications Corporation**. All other trademarks and tradenames are owned by their respective companies.

SOURCE Information...

15/3,K/36 (Item 34 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access.Co. All rts. reserv.

00694191

00694191

3Com Using Netscape Technology to Forge Global Information System

PR Newswire

DATELINE: MOUNTAIN VIEW, Calif. Nov 8, 1996 WORD COUNT: 852

...of 'Anywhere, Anytime'

Information Access for Employees and Customers

MOUNTAIN VIEW, Calif., Nov. 8 /PRNewswire/ -- **Netscape** Communication Corporation (Nasdaq: NSCP) today announced that 3Com Corporation (Nasdaq: COMS), a leading global networking company, is using **Netscape** client and server software as the enabling technology for its corporate Intranet and Internet **sites**. A **Netscape** customer since 1995, 3Com now has several **Web sites** around the world based on **Netscape** server software, and uses **Netscape Navigator(TM)** as its internal client software. 3Com has licensed 5,700 copies of **Netscape Navigator**.

A \$2.5 billion global company, 3Com must manage an extraordinary flow of information...

...on a daily

basis across a variety of technical platforms. 3Com's Intranet and Internet **sites** are fundamental to the company's drive to increase information access while decreasing the overall complexity of its technical environment. Using **Netscape** software solutions, 3Com's Intranet and Internet **sites** facilitate the company's exchange of information by providing access through a common interface.

3Com's Intranet based on **Netscape Enterprise Server(TM)** software, is already used by half of 3Com's nearly 6,000 employees. Employees will access 3Com's intranet to find benefits, **company** and stock **information**, order equipment and file expense reports. The cross-platform capabilities of 3Com's Intranet helps...

...video

and audio clip format.

As a business management tool, 3Com plans to use its **Netscape** software-based Intranet to access legacy as well as new **data** in the **company's data** warehouse. Called 3Info, this mainstream decision support application gives detailed and summarized **information** regarding sales, **products** and vendors on a daily basis, using information culled from the company's transaction applications...

...will also be

accessible through 3Com's Intranet.

"3Com has 6,000 employees, seven manufacturing **sites**, 72 sales offices in 31 countries and 12,000 nodes in our network," said Tom...

...to-the-minute

information. Our challenge is to reduce and manage time and

distance. Using **Netscape** software, we are able to increase our efficiency and speed up decision making to help...

...form that enables us to make the appropriate business decisions is critical to our success. **Netscape** products are helping us reduce the complexity of pulling that information together from around the world through our Internet and Intranet **sites**."

3Com recently installed a common set of transactions processing systems, including SAP order management and...

...marketing, customer service organization, manufacturing, engineering, product development, electronic commerce, internal information and systems development.

"**Netscape** products are helping 3Com build a technical framework to support a business growing at substantial rates," said Mike Homer, senior vice president of marketing at **Netscape**. "3Com wants to take advantage of its global diversity to leverage the skills and increase...

...variety of platforms. Because of its ability to integrate with databases and internal information systems. **Netscape** software cost-effectively provides immediate and long-term Intranet solutions to meet these goals."

3Com...

...sales and support simplify communication, optimize network reliability and protect customer investments.

Additional information on **Netscape** Communications Corporation is available on the Internet at <http://home.netscape.com>, by sending email to info@netscape.com, or by calling 415-937-2555 (corporations) or 415-937-3777 (individuals).

NOTE: **Netscape**, the **Netscape** Communication corporation logo, **Netscape** Navigator and **Netscape** Enterprise Server are **trademarks** of **Netscape** Communications Corporation. All other **product names** are trademarks of their respective companies.

SOURCE **Netscape** Communications Corp.

-0-

11/08/96

/CONTACT: Jody Kramer of **Netscape**, 415-937-3989, or kramer@netscape.com
(NSCP COMS)

CO: **Netscape** Communications Corp.; 3Com Corporation

ST: California

IN: MLM

SU:

KW-CL

-- SFF006 --

1875 11/08...

15/3,K/37 (Item 35 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00688516

00688516

LinkStar and Verity Team Up to Boost the Power of HotOffice Online Business Management Service

PR Newswire

DATELINE: BOCA RATON, Fla. Oct 29, 1996 WORD COUNT: 592

...Verity

Verity, Inc., founded in April 1988 with headquarters in Sunnyvale, California, develops and markets **information** agent **products** and technologies that make it easier for individuals, workgroups, departments and enterprises to filter, search...

...and

navigate all available information sources to get the personalized, relevant information they need. The **company** 's **information** kernel, toolkits and services are used by information agent partners to develop a broad range...

...include Adobe Systems, AT&T, Dow Jones, Hitachi, Individual Inc., Informix Software, Lotus Development Corp., **Netscape** Communications, PC DOCS, SAP, SCO, Sybase Inc., WavePhore and many others.

For more information contact Verity at info@verity.com or at the World Wide **Web** **site** <http://www.verity.com/> or by calling 408-541-1500.

NOTE: Verity and **SEARCH '97** are **Trademarks** of Verity Inc. in the United States and other countries. All other trademarks are the...

15/3,K/38 (Item 36 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00688515

00688515

FrontOffice Selects Verity for Microsoft Exchange-based Document Management System

PR Newswire

DATELINE: MOUNTAIN VIEW, Calif. Oct 29, 1996 WORD COUNT: 580

...of Microsoft Office and BackOffice technology. Natively implemented on Microsoft Exchange, FrontOffice utilizes the powerful **site** architecture and groupware foundation built into Exchange to provide a Knowledge Warehouse of the FrontOffice...

...San

Mateo, California, develops enterprise document management software. For more information, visit the FrontOffice Technologies **home page** at <http://www.frontofficetech.com>.

About Verity

Verity, Inc., founded in April 1988 with headquarters in Sunnyvale, California, develops and markets **information** agent **products** and technologies that make it easier for individuals, workgroups, departments and enterprises to filter, search...

...and

navigate all available information sources to get the personalized, relevant information they need. The **company** 's **information** kernel, toolkits and services are used by information agent partners to develop a broad range...

...include Adobe Systems, AT&T, Dow Jones, Hitachi, Individual Inc., Informix Software, Lotus Development Corp., **Netscape** Communications, PC DOCS, SAP, SCO, Sybase Inc., WavePhore and many others.

For more information contact Verity at info@verity.com or at the World Wide **Web** **site** <http://www.verity.com/> or by calling 408-541-1500.

NOTE: Verity and **SEARCH '97** are **Trademarks** of Verity Inc. in the United States and other countries. All other trademarks are the...

15/3,K/39 (Item 37 from file: 621)
DIALOG(R) File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00683741

00683741

Informix Web-Enables its Flagship Databases with Netscape's Market-Leading Internet and Intranet Software; Informix Offers Customers a High-Performance, Scalable Database Solution to Connect Distributed Enterprises via the Web.

Business Wire

DATELINE: NEW YORK Oct 15, 1996 WORD COUNT: 1052

...technology, today expanded its Web-enabled database solution to the entire family of **INFORMIX-OnLine database products**, using **Netscape Communications Corp.**'s market-leading Internet and intranet software.

The announcement was made at the **Netscape** Internet Developer Conference in New York City. The combination of Informix's OnLine databases with **Netscape** Enterprise Server software and **Netscape** Navigator client software offers customers a high-performance, scalable database solution that connects distributed enterprises...
...databases between data centers and remote sources for access via a single, easy-to-use **browser** interface.

Informix's Web-enabled database solution is immediately available for the company's flagship...

...in June 1996, **INFORMIX-OnLine Workgroup Server** and **INFORMIX-OnLine Workstation** are tightly integrated with **Netscape** Navigator 3.0 and **Netscape** FastTrack so extends its Web-enabled database solution to OnLine Dynamic Server and OnLine Extended Parallel Server by offering customers an option to purchase **Netscape** Navigator 3.0 and **Netscape** Enterprise Server with these Informix databases.

"Companies are looking for ways to increase productivity, lower...

...scalable Informix enterprise, from the laptop to the data center, by distributing and consolidating a **company's information** assets cost-effectively with Internet and intranet applications."

"**Netscape** and Informix share a common vision to provide customers an open client/server platform on...

...s leading Internet and intranet applications," said Mike Homer, senior vice president of marketing at **Netscape**. "The combination of **Netscape** Enterprise Server, **Netscape** Navigator and **Netscape** FastTrack Server with Informix databases delivers proven database-driven Internet/intranet solutions to our customers...

...metropolitan areas by year's end. Using Informix's OnLine Workgroup Server, with its bundled **Netscape** Internet software, U S WEST Interactive will develop information service **sites** using **Netscape's** SuiteSpot tool set. DiveIn will give area residents entertaining, efficient ways to find community...

...preferences and interests."

Availability

Informix's Web-enabled solution is immediately available for the OnLine **database product** family: INFORMIX-OnLine Workstation, INFORMIX-OnLine Workgroup Server, INFORMIX-OnLine Dynamic Server and INFORMIX-Extended Parallel Server.

Both INFORMIX-OnLine Workstation and INFORMIX-OnLine Workgroup Server are tightly integrated with **Netscape** 's Navigator 3.0 and FastTrack Server, and come as a single, easy-to-install...

...for high-end transaction processing and large-scale data warehousing, have separately priced options for **Netscape** Navigator 3.0 and **Netscape** Enterprise Server. OnLine Dynamic Server is available on NT and UNIX; OnLine Extended Parallel Server...or registered service marks mentioned in this document are the property of their respective holders.

Netscape , **Netscape** Communications, **Netscape** Navigator, **Netscape** FastTrack Server and **Netscape** Enterprise Server are trademarks of **Netscape** Communications.

Informix news releases are available at no charge through Business Wire's NewsOnDemand fax...

15/3,K/40 (Item 38 from file: 621)
DIALOG(R) File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00683060

00683060

Information Dimensions Brings Web-based Document Management to Netscape's AppFoundry Portfolio

PR Newswire
DATELINE: DUBLIN, Ohio Oct 16, 1996 WORD COUNT: 791

Intranet Developers to Benefit from Free Demonstrations of **Company** 's Corporate

Information Centre and Expert Document Management Advice

DUBLIN, Ohio, Oct. 16 /PRNewswire/ -- Information Dimensions, Inc., a leading document management solutions provider, today announced its Corporate Information Centre (CIC) as part of **Netscape** 's AppFoundry, a collection of reusable Web-based business applications and an online community for...

...prototyping tool that lets companies quickly build robust document management applications using highly customizable, graphical **Web -page** interfaces and underlying document templates. Information Dimensions will also moderate a newsgroup offering free expertise on managing massive collections of documents over Intranets and maximizing the capabilities of the **Netscape** Enterprise Server's software.

The Corporate Information Centre and the **Netscape** Enterprise Server are major components of Information Dimensions' BASIS Intranet Solution, the industry's fastest...

...can integrate enterprise-wide document management applications with Web technology to develop industrial strength internal **Web sites** -- or Intranets -- in days instead of months.

Developers will find hotlinks to Information Dimensions' demonstrations at the AppFoundry section of the **Netscape** Communications Corporation home page , the most visited site on the

World Wide Web.

"Information Dimensions' BASIS Intranet Solution is a great example of how corporate developers can use **Netscape** AppFoundry to deploy document management applications over the Web," said Danny Shader, vice president of developer relations at **Netscape** . "Information Dimensions provides IS professionals with innovative design and development expertise."

In addition to demos and forums, the **Netscape** AppFoundry site also offers developers free business applications and development tools for boosting the power of Intranets. The **Netscape** AppFoundry program is designed to make it easy for enterprise developers to use Java, JavaScript and other technologies in the **Netscape** ONE, open network environment, to create and rapidly deploy cross-platform business applications on their...

...museums, and international news agencies are telling their stories to the world.

"Information Dimensions and **Netscape** are cooperating to manage some of the most massive document collections in the world over...

...and others realize the growing need to manage their documents, decision-makers and developers can **link** themselves with a powerful resource simply by clicking the **Netscape** icon on their desktop."

Information Dimensions' document management forum will be among dozens of forums...

...Dimensions is the world's #2 document management software provider(A), with over 2,200 **sites** installed worldwide. Its BASIS family of products has delivered very large-scale document management solutions...

...Saab, the Pentagon and NASA for more than ten years. As a prominent partner of **Netscape** , Information Dimensions also delivered the industry's first rapid- deployment document management solution for the...

...are trademarks of Information Dimensions or its affiliates in the USA and certain other countries. **Netscape** , **Netscape** Communications, **Netscape** ONE and **Netscape** Enterprise Serve r are **trademarks** of **Netscape** Communications Corporation. All other trademarks and tradenames are owned by their respective companies. SOURCE Information...

15/3,K/41 (Item 39 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00681035

00681035

ATTENTION BUSINESS/FINANCIAL EDITORS:

PR Newswire
DATELINE: xxxxxxxxxxxxxxxx Oct 15, 1996 WORD COUNT: 801

...Fulcrum(R) SearchServer(TM) and Fulcrum Surfboard(R) to deliver advanced searching capabilities in the company 's research **databases** .

The Investext Group's products are currently available to customers on a pay-as-you...

...versions of its products, and broadening the range of available client access points to include **Web browsers**, Microsoft Windows clients and Lotus Notes. SearchServer and Surfboard will be used to deliver added...

...products will deliver real added value to the users of these products.'
The Investext(R) **database** is the **company**'s flagship research database. It includes nearly a million research reports on tens of thousands...

...offices around the world. For more information on The Investext Group, visit the company's **Web site** : <http://www.investext.com>.

Fulcrum Technologies is a world leader in providing information search-and-retrieval software for the extended enterprise. This software can be used on Internet and Intranet **sites**, on computer networks, and on CD-ROMs. Fulcrum counts major corporations and industry leaders like...

...Stock Exchange ('FUL'). For more information on Fulcrum and Fulcrum products, visit the company's **Web site** : <http://www.fulcrum.com>.

Fulcrum and Surfboard are registered trademarks of Fulcrum Technologies Inc. and **SearchServer** is a **trademark** of Fulcrum. Investext and MarkIntel are registered trademarks used herein under license by The Investext...

15/3,K/42 (Item 40 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00675403

00675403

Financial Times Information Signs Global Strategic Partnership With Verity

PR Newswire
DATELINE: SUNNYVALE, Calif. Oct 2, 1996 WORD COUNT: 837

SUNNYVALE, Calif., Oct. 2 /PRNewswire/ -- Financial Times Information (FTI), the business and specialist financial **information company** within the Pearson media group, has signed a global strategic licensing agreement with Verity, Inc...

...VRTY) for the co-development of a new generation of online and CD-ROM based **information products**.

The new products, to be based on Verity's advanced search technology 'SEARCH'97' will...

...more information contact FT Profile by email at ftprofile@ft.com, on the World Wide **Web site** at <http://www.info.ft.com/>, or by calling 0171 825 7905.

About Verity

Verity...

...partners include Adobe Systems, AT&T Worldnet, Dow Jones, Hitachi, Individual, Informix Software, Lotus Development, **Netscape** Communications, SAP, SCO, Sybase, WavePhore and many others.

This release contains forward looking statements relating...

...Commission.

For more information contact Verity at info@verity.com or at the World Wide Web site <http://www.verity.com/> or by calling 408-541-1500.

NOTE: Verity and **SEARCH '97** are **trademarks** of Verity Inc. in the United States and other countries. All other trademarks are the...

15/3,K/43 (Item 41 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00675363

00675363

Bell Sygma to install 13,000-seat Livelink Intranet for Bell Canada customer support by year end.

Business Wire
DATELINE: TORONTO, Ont. Oct 2, 1996 WORD COUNT: 646

...ensuring their satisfaction in a rapidly-accelerating competitive environment.

"We have thousands of documents, including **product descriptions**, prices, technical specifications, marketing information and detailed operating instructions, which are often updated and cross...

...emergence of Livelink Intranet, an intranet-based solution. CSRs access the documents using a standard **web browser**, such as **Netscape**'s Navigator, running on their personal computers. Further of note, to implement a solution of...

...unique function of HTML document 'check in' and 'check out', which preserves all the hyper-links to embedded graphics and other objects," said Tom Jenkins, President, Open Text Corporation. "The versatility...

...its data centers in Toronto, Montreal and Ottawa, which in turn will be accessed by **Netscape browsers** on CSR workstations across Ontario and Quebec. It is Bell Sygma's intention to provide...

...for the quarter ended June 30, 1996. -0-

Note to Editors: Open Text and Livelink **Search** are **trademarks** of Open Text Corporation. All other **trademarks** are the property of their respective companies.

CONTACT: David Paolini
PR Director, Open Text Corporation
416/596-0296 ex. 14
URL : <http://www.opentext.com>
Email: davep@opentext.com

...

15/3,K/44 (Item 42 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00674569

00674569

The Software Construction Company (SCC) Selects Verity's Search Engine for MediaServer

PR Newswire

DATELINE: ATLANTA, Ga. Oct 1, 1996 WORD COUNT: 652

...integration into
SCC's MediaGrid/MediaServer product, the company's soon to be
released multimedia **production database** and archiving system.

MediaGrid, the client, will be available in both Macintosh and
Windows NT/95 versions. It will be the only folder and database
archive **browser** integrated into one single application, making it
possible to work with files and database at...

...searches.

"We are pleased that SCC has chosen Verity's search engine for their
new **database product**," said Philippe Courtot, Chairman and CEO of
Verity. "With this decision, SCC strengthens their product..."

...Adobe Systems, AT&T WorldNet, Dow Jones, Hitachi,
Individual Inc., Informix Software, Lotus Development Corp.,
Netscape Communications, PC DOCS, SAP, SCO, Sybase Inc., WavePhone
and many others.

For more information contact Verity at info@verity.com or at the
World Wide **Web site** <http://www.verity.com/> or by calling
408-541-1500.

NOTE: Verity and **SEARCH '97** are **Trademarks** of Verity Inc. in the
United States and other countries. All other trademarks are the...

15/3,K/45 (Item 43 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00669572

00669572

**VLSI Technology and ViewCall America Sign Strategic Marketing Partnership;
Companies To Work Together To Promote Internet TV.**

Business Wire

DATELINE: ATLANTA Sep 19, 1996 WORD COUNT: 512

...VLSI's ARM 7500 processor. Additionally, ViewCall
America developed a consumer-centric On-TV Internet **browser** which
enabled the creation and development of its On-TV Internet service.

VLSI will demonstrate the reference design Internet set-top box,
WEBster -- the TV **browser**, and ViewCall America's On-TV Internet
service at the Networld + Interop trade show in...

...on its FSB functional system blocks library.
Targeting its offerings toward the communications, consumer digital
entertainment, and computing **markets**, the **company** offers its
customers advanced system-level integration capabilities. The
company is based in San Jose...
...with 1995 revenues of \$720
million, and approximately 3,000 employees worldwide. Visit VLSI's
homepage at <http://www.vlsi.com>.

About ViewCall America

ViewCall America is the premier On-TV...

...On-TV and TV-HTML
are trademarks of ViewCall America, Inc. All other brand or **product**
names are trademarks and/or registered trademarks of their

respective owners.

CONTACT: VLSI Technology, Inc.
Martin...

15/3,K/46 (Item 44 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00664723

00664723

DTAI builds intranet application for Netscape AppFoundry.

Business Wire

DATELINE: SAN DIEGO, Calif. Sep 9, 1996 WORD COUNT: 569

...Sept. 9, 1996--Newcomer DTAI
Inc. Monday announced its Intranet Org Chart application for the
Netscape AppFoundry program.

This announcement comes on the same day that **Netscape** announces
AppFoundry (originally code-named "Appalanche"), a collection of
reusable business applications, powerful new enterprise...

...new on-line community dedicated to IS
professionals building corporate solutions on their intranets.

The **Netscape** AppFoundry program is designed to make it easy for
enterprise developers to use Java(TM), JavaScript(TM) and the other
open, cross-platform technologies that are part of the **Netscape**
ONE(TM) open network environment to rapidly create and deploy custom
business applications on their...

...entirely in Java, allows
users to dynamically build and view complex organizational charts,
directly within **Netscape** Navigator(TM) client software.

Large hierarchies can be viewed a piece at a time using...

...with each employee, such as
the job title, phone number, electronic mail address, and personal
Web page. Org Chart provides a direct link to the employees **Web**
page, or to initiate an E-mail session with that employee.

"**Netscape** AppFoundry applications such as DTAI Org Chart enable IS
professionals to rapidly deploy Intranet solutions...

...maximize return on
investment," said Srivats Sampath, vice president of servers, tools
and applications at **Netscape**.

The applications in **Netscape** AppFoundry, with complete source code,
will be available on-line, for download at no charge from
Netscape's Internet site (www.netscape.com), and are also expected
to be bundled with **Netscape** Enterprise Server(TM) software and be
distributed on CD-ROM later this year.

DTAI, now...

...Internet, graphical, and database applications for Unix and Windows.
DTAI also performs Internet server administration, **web page**
development, and advanced graphic design and **production**.

More **information** about DTAI is available on the Internet at
http://www.dtai.com, by e-mail at info@dtai.com, or by phone at
619/281-2292. -0-

NOTE: **Netscape**, **Netscape Communications**, **Netscape Navigator**, **Netscape ONE**, and **Netscape Enterprise Server** are **trademarks** of **Netscape Communications Corp.** All other **product names** are **trademarks** of their respective companies.

CONTACT: DTAI Inc., San Diego
Rich Kadel, 619/281-2292
Fax: 619/281-0377
E-mail: kadel@dtai.com
URL : <http://www.dtai.com>

...

15/3,K/47 (Item 45 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00657640

00657640

OneWave, Inc. Introduces OneWave Apps(TM) for Integrating and Extending Business Processes; Pre-Built Application Templates to be Offered as Part of OneWave Extensions(TM); Armstrong World Industries is First Customer.

Business Wire

DATELINE: WATERTOWN, Mass. August 15, 1996 WORD COUNT: 978

...software applications, with an easy-to-use interface. These plug-and-play templates run within **Web browsers** and desktop OLE environments, and access existing corporate computing technologies. OneWave Apps provide a pre...

...effective business implementations. For additional information about OneWave, please access the Company's World Wide **Web site** at <http://www.onewave.com>; send e-mail to info@onewave.com; or call (617...

...dated
July 2, 1996.

OneWave(TM), OneWave Apps(TM), OpenScape(TM), OpenExtension(TM) and OpenScape **Enterprise** (TM) are **trademarks** of OneWave, Inc. Other **company** and **product names** may be trademarks of the respective companies.

CONTACT: OneWave, Inc.
Peg Culotta or Oliver Churchill...

15/3,K/48 (Item 46 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00657568

00657568

Information Dimensions Debuts BASIS Intranet Solution at Internet World Australia and Announces Success of Distributors in Region

PR Newswire

DATELINE: SYDNEY, Australia August 20, 1996 WORD COUNT: 736

...CIC), which lets companies quickly build robust document management applications using highly customizable, graphical **Web -page** interfaces and underlying templates. The BASIS Intranet Solution also integrates one of the industry's...

...with a new version of BASIS WEBserver Gateway, which is now fully integrated with the **Netscape** Enterprise Server.

Information Dimensions recently signed a new distributor, Delivering Communication Solutions (DCS) who has...
...director at DCS, "The Corporate Information Centre concept with ready-to-use-templates and the **Netscape** integration makes it easy for customers to get a prototype up and running quickly...

...example, Advertiser Newspapers Limited, in Adelaide, SA. will be using BASIS to provide a simple **WEB browser** interface to its newspaper archive database."

The BASIS Intranet Solution is shipping now and is...

...companies manage their corporate information repositories. Specializing in the growing Intranet market, they provide on- **site** consulting, training and support to enable businesses to realize the full potential of the Intranet...

...Information Dimensions' client base in Australia. Its endeavors have expanded to include the distribution of **Information** Dimensions' complete **product** line. IDA provides local support, training and consulting services for the BASIS Intranet solution...

...Computer Library Center, Inc., the world's largest library information network. Visit Information Dimensions' **Home Page** on the World Wide Web at <http://www.idi.oclc.org>.

NOTE: BASIS and TECHLIBplus...

...are trademarks of Information Dimensions or its affiliates in the USA and certain other countries. **Netscape**, **Netscape** Communications and **Netscape Enterprise** Server are **trademarks** of Netscape Communications Corporation. All other trademarks and trade names are owned by their...

15/3,K/49 (Item 47 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00645675

00645675

Netron, Connect! combine technologies to deliver high-performance Java business applications.

Business Wire
DATELINE: TORONTO July 25, 1996 WORD COUNT: 1039

...delayed deployment of large, core business systems over the Internet."

Visitors of either company's **web site** can obtain software and information on Netron Frameworks and **CONNECT!** Quick through hot **link** connections. Visitors can download **CONNECT!** Quick to their local machine and then access sample Java...

...available in Netron Fusion 3.0, Netron's component-based development environment.

Proven at customer **sites** around the world, Netron Fusion's combination of advanced development tools, application frameworks, and class...

...Client and
CONNECT! Quick Server. Quick Client is installed on each client
computer with a **Web browser**, while Quick Server is installed on the
World Wide Web server. Quick Client provides significant...

...the U.S., the U.K., and distributors worldwide. For more
information, visit Netron's **Web site** at <http://www.netron.com>.

Founded in 1993, CONNECT! Corporation is a premier provider of...of Netron
Inc. CONNECT!, CONNECT!
Corporation, CONNECT! Quick Client, and CONNECT! Quick Server, and
CONNECT! **Enterprise** are **trademarks** of CONNECT! Corporation. All
other **product names** are trademarks of their respective companies.

CONTACT: Netron: Rick Strosberg
(416) 636-8334, ext. 266...

15/3,K/50 (Item 48 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00631272

00631272

**IBM begins beta testing for next version of OS/2 Warp; Thousands of users
to test drive voice capabilities and easier Internet access.**

Business Wire
DATELINE: AUSTIN, Texas June 19, 1996 WORD COUNT: 1194

...final product
features.

Users already have been applying for the beta program through an
IBM **home page** that was posted last week in preparation for the
beta's release. More information about...

...run native
Java applications or applets, like a stock ticker or spreadsheet,
independent of the **Web browser** and can place the **URL** from their
favorite World Wide **Web sites** or Java applets directly on their
desktop. With a quick click of the mouse or a simple voice command,
users can instantly launch that particular **Web site** or applet.
A built-in Java Developers Kit and run-time code eliminate the need...

...trays. Trays can
include any combination of objects from folders to applications to
World Wide **Web address** icons, making these objects instantly
accessible from the desktop. In addition, the new intuitive user...sized bu
sinesses and
departmental workgroups to the corporate enterprise. -0-

(a) OS/2 and Voice **Type** are **trademarks** or registered **trademarks** of
IBM Corporation.

(b) Java is a **trademark** of Sun Microsystems, Inc.

(c) OpenDoc is a **trademark** of Apple Computer Corporation. All other
product and service **names** may be **trademarks** and/or service marks of
their respective owners,

For Internet users, IBM offers complete **information** about the
company, its products, services and technology on the World Wide
Web. The IBM **home page** is at <http://www.ibm.com>. The fastest,
easiest way to find any information about IBM software is to go to
the IBM Software **home page** at <http://www.software.ibm.com>. The IBM
Fax Information Service allows you to receive...

15/3,K/51 (Item 49 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00629794

00629794

**OPEN ENVIRONMENT CORPORATION INTRODUCES MAMBO, INDUSTRY'S FIRST MULTI-TIER,
OBJECT WEB DEVELOPMENT TOOL**

PR Newswire

DATELINE: BOSTON June 17, 1996 WORD COUNT: 626

...code. It supports
all emerging Web standards u http, shttp, and ssl web servers; HTML
browsers ; HTML editors including HoTMetal, WebMagic, Word, etc. and
works with **Netscapes** table extensions. It automatically generates
CGI (Common Gateway Interface) executables and HTML template forms
that...

...500 per machine. An evaluation version is
available free of charge from Open Environment's **Web Site**
<http://www.openenv.com>.

Open Environment pioneered the three-tiered client/server
architecture, a de...

...CA, is a
leading provider of products and services for software developers.

NOTE: Mambo and **Entera** are **trademarks** of Open Environment
Corporation. All other **product** and corporate **names** are trademarks
of their respective owners.

-0-

6/17/96

/CONTACT: Maureen MacGregor of Open...

15/3,K/52 (Item 50 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00595036

00595036

**FTP Software to acquire Campbell Services, Inc.; Calendaring and scheduling
software expands collaboration product offerings.**

Business Wire

DATELINE: ANDOVER, Mass. March 28, 1996 WORD COUNT: 676

...extends FTP's commitment to provide our customers with a broad
array of desktop networking, **productivity** and **information**
management applications," stated David H. Zirkle, president and
chief executive officer at FTP Software. "This...

...Windows NT desktops. Campbell recently
announced the OnTime Web Edition which enables anyone with a **Web**
browser to access their OnTime calendar information from anywhere
they have Internet access, making OnTime users...

...pioneering developer of TCP/IP and interconnectivity applications
and is committed to providing technically superior **products** for
sharing **information** across disparate computing platforms and
networks. Both its Networking Products Business Unit and New
Ventures...

...are registered trademarks
and KEYview is a trademark of FTP Software, Inc. OnTime and OnTime

Enterprise are registered **trademarks** of Campbell Services, Inc. Other tradenames, trademarks and registered trademarks are the property of their...

...including this press release, is available electronically via FTP Software, Inc.'s World Wide Web home page (<http://www.ftp.com>). Information on Campbell Services, Inc. is available electronically via Campbell's World Wide Web home page (<http://www.ontime.com>).

CONTACT: FTP Software, Inc.
Jill LeBallister Dudka
Public Relations
FTP Software...

15/3,K/53 (Item 51 from file: 621)
DIALOG(R) File 621:IAC New Prod.Annou.(R)
(c) 1998 Information Access Co. All rts. reserv.

00540421

00540421

Dataware Technologies announces NetAnswer; "Information Super Server" and hosting services for commercial Internet publishing.

Business Wire

DATELINE: CAMBRIDGE, Mass. Oct 25, 1995 WORD COUNT: 1027

...of users. Also available are services to assist in the design of custom HTML interfaces, **site** registration, security checks, and in establishing database query or navigation features. Technical support and training...

...subsidiary of Thomson Information Publishing Group and one of the first NetAnswer customers, developed a **Web site** containing 10 gigabytes of data. "Dataware offered the best product for our needs," explains Larry...

...performance, flexibility -- and the ability to customize interfaces and be accessible by a variety of **browsers** -- as well as user tracking. Services to allow us to get up and running fast...

...system originally developed for commercial online systems and today used in more than 2,000 **sites** worldwide. These include Burrelle's Information Services, the Kodak Picture Exchange, and the National Technology...

...pay-per-connect, pay-per-query.

o Ease of publication with automatic HTML translation, with **links** to original documents.

o Compatible with standard **browser** interfaces (**Netscape**, Spyglass's Extended **Mosaic**), and with all standard Web servers (CERN, NCSA, **Netscape**'s Communication Server), through a Common Gateway Interface (CGI). Also compatible with secure Web servers such as **Netscape**'s Commerce Server and Open Market's Secure WebServer.

o Industry standards support including HTML **Search** are registered **trademarks** and NetAnswer is a trademark owned by Dataware Technologies, Inc. Other **product** or **company names** mentioned in this press release may be trademarks or registered trademarks of their respective companies...

...hereby

acknowledged.

CONTACT: Dataware Technologies, Inc.
Ann Hawkins, (617) 621-0820 x1702
ahawkins@dataware.com
Home Page : <http://www.dataware.com>

...

?pause

>>> PAUSE started.

?